

Appendix I  
Supplemental Materials

- I.1. California Air Resources Board  
Initial PM Exceptional Event Documentation – December 17, 2007
- I.2. San Diego Air Pollution Control District  
Intent to Flag and Initial Documentation – December 5, 2007
- I.3. Santa Barbara County Air Pollution Control District  
Ozone Exceptional Event Documentation – March 11, 2009
- I.4. South Coast Air Pollution Control District  
PM Exceptional Event Documentation – December 22, 2009
- I.5. Ventura County Air Pollution Control District  
PM Exceptional Event Documentation – March 9, 2009

I.1. California Air Resources Board  
Initial PM Exceptional Event Documentation – December 17, 2007



**Linda S. Adams**  
Secretary for  
Environmental Protection

# Air Resources Board

---

**Mary D. Nichols, Chairman**  
1001 I Street • P.O. Box 2815  
Sacramento, California 95812 • [www.arb.ca.gov](http://www.arb.ca.gov)



**Arnold Schwarzenegger**  
Governor

December 17, 2007

Mr. Sean Hogan, Chief  
Technical Support Office (AIR-7)  
United States Environmental Protection Agency  
Region IX  
75 Hawthorne Street  
San Francisco, California 94105

Dear Mr. Hogan:

This letter provides preliminary documentation to support our request to flag PM2.5 air quality data affected by multiple wildfires that occurred from July through November 2007. On March 22, 2007, the United States Environmental Protection Agency (U.S. EPA) adopted the 'Treatment of Data Influenced by Exceptional Events' rule which allows data to be flagged and thus excluded from consideration during the decision-making process related to the attainment status of an area. This rule, which became effective on May 22, 2007, requires that States submit documentation to support flagging to the appropriate U.S. EPA Regional Office.

Although complete Federal Reference Method (FRM) PM2.5 data for the calendar year 2007 is not yet available, the Air Resources Board (ARB) has identified potential monitoring days which may have been impacted by these exceptional events. The ARB, along with the local air pollution control districts, used PM2.5 Beta Attenuation Monitor (BAM) data to identify potential wildfire impacts. The focus of this initial documentation is on those areas where the flagging of the data could affect the designation status for the revised 24-hour PM2.5 standard. Attachment 1 contains ARB's initial analysis of these exceptional events with the limited amount of data available. The document was made available for public review and no comments were received. Attachment 2 contains supporting documentation submitted by the San Diego County and Ventura County Air Pollution Control Districts.

Additional FRM data from other sites and dates during this period may be flagged as natural events due to wildfires when the final filter-based data is submitted to the U.S. EPA's Air Quality System (AQS). Full documentation on the wildfires and their impacts on air quality will be supplied once complete PM2.5 FRM data is available.

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

---

California Environmental Protection Agency

If you have any questions regarding the enclosed documentation, please contact Ms. Sylvia Zulawnick, Manager, Particulate Matter Analysis Section, at (916) 324-7163, or via email at [szulawni@arb.ca.gov](mailto:szulawni@arb.ca.gov).

Sincerely,

/s/

Karen Magliano, Chief  
Air Quality Data Branch  
Planning and Technical Support Division

Enclosures

cc: Ms. Sylvia Zulawnick, Manager  
Particulate Matter Analysis Section  
Planning and Technical Support Division



## EXCEPTIONAL EVENTS

Date: July through November, 2007  
Districts: Northern Sierra  
San Diego County  
Ventura County  
Events: Wildfire Smoke and High Winds

The following information has been compiled for monitoring sites where the data could affect the designation status for the new PM<sub>2.5</sub> standard. These areas are the Northern Sierra Air Pollution Control District (NSAPCD), the San Diego County Air Pollution Control District (San Diego APCD) and the Ventura County Air Pollution Control District (Ventura APCD).

Although other monitoring sites in other Districts were affected by the wildfires, they either did not exceed the federal PM<sub>2.5</sub> 24-hour standard of 35 ug/m<sup>3</sup> or their inclusion would not affect the Districts' attainment status. If needed, the Air Resources Board (ARB) will pursue additional exceptional event exemptions within the normal Exceptional Events Rule timeline.

Separate documentation will be provided by other Districts, particularly the San Joaquin Valley Air Pollution Control District (San Joaquin APCD) and the South Coast Air Pollution Control District (South Coast APCD) for flagging data from monitoring sites affected by wildfires.

The following information is provided:

- 1) List of fires;
- 2) Potential air quality monitoring samples affected by the fires;
- 3) Satellite images of smoke impacts; and
- 4) District public notification.

## 2007 Wildfires Affecting Air Quality

The following wildfires affected the air quality of several areas in California from July, 2007 to November, 2007.

Table 1: Wildfires in California from July to October, 2007

<b>Fire Name</b>	<b>Date of Origin</b>	<b>Nearby City/County</b>
Zaca	7/4/07	Santa Barbara/Santa Barbara
Antelope Complex	7/5/07	Antelope Lake/Plumas
Elk Complex	7/10/07	Yreka/Siskiyou
Grouse	8/27/07	Porterville/Kern
Lick	9/3/07	Gilroy/Santa Clara
Moonlight	9/3/07	Greenville/Plumas
Butler 2	9/14/07	San Bernardino/San Bernardino
Ranch	10/20/07	Castaic/Los Angeles
Buckweed	10/21/07	Palmdale/Los Angeles
Canyon	10/21/07	Malibu/Los Angeles
McCoy	10/21/07	Julian/San Diego
Roca	10/21/07	Aguanga/Riverside
Santiago	10/21/07	Santa Ana/Orange
Sedgewick	10/21/07	Los Olivos/Santa Barbara
Witch	10/21/07	Ramona/San Diego
Cajon	10/22/07	Lytle Creek/San Bernardino
Coronado Hills	10/22/07	San Marcos/San Diego
Grass Valley	10/22/07	Lake Arrowhead/San Bernardino
Harris	10/22/07	Portrero/San Diego
Magic	10/22/07	Santa Clarita/Los Angeles
Rice	10/22/07	Fallbrook/Los Angeles
Slide	10/22/07	Green Valley Lake/San Bernardino
Ammo	10/23/07	San Clemente/San Diego
Poomacha	10/23/07	Pauma Valley/San Diego

## Air Quality Monitoring Sites Impacted by 2007 Wildfires

PM<sub>2.5</sub> monitoring sites throughout California were affected by smoke from the numerous wildfires from July to early November, 2007. There are two types of PM<sub>2.5</sub> monitors operated in California; Federal Reference Monitors (FRM) and Beta Attenuation Monitors (BAM). Data from the filter-based FRMs has not been completely finalized. In the absence of FRM data, BAM measurements can provide an indication of days of possible PM<sub>2.5</sub> exceedance. Preliminary data from these monitors are shown below.

Figure 1: Mountain Counties Air Basin PM<sub>2.5</sub> BAM Monitoring Sites during the Antelope Complex Fire, July, 2007.

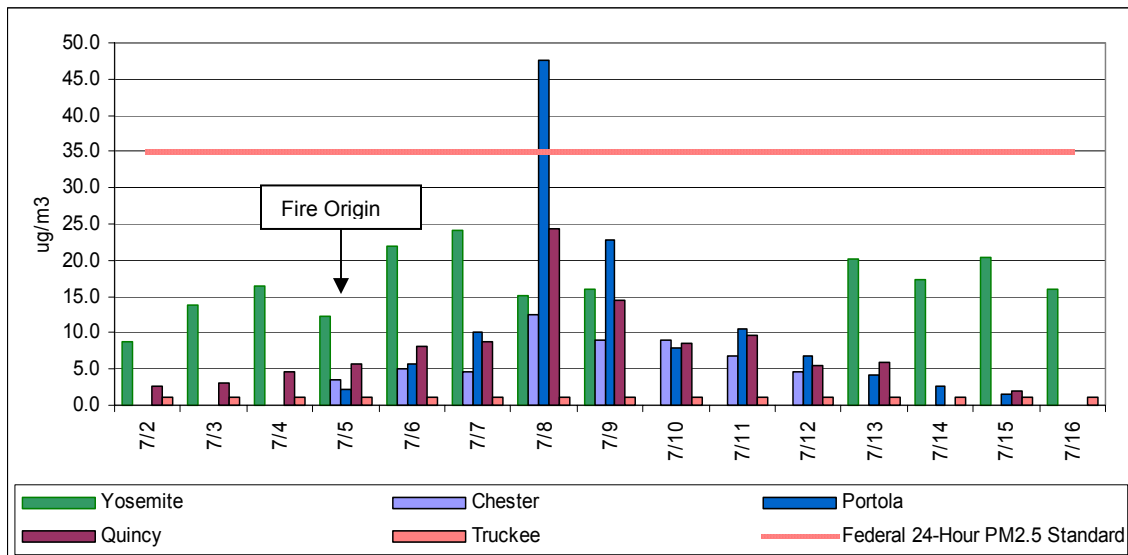


Figure 2: Mountain Counties Air Basin PM2.5 Monitoring Sites during the Moonlight Fire, September, 2007.

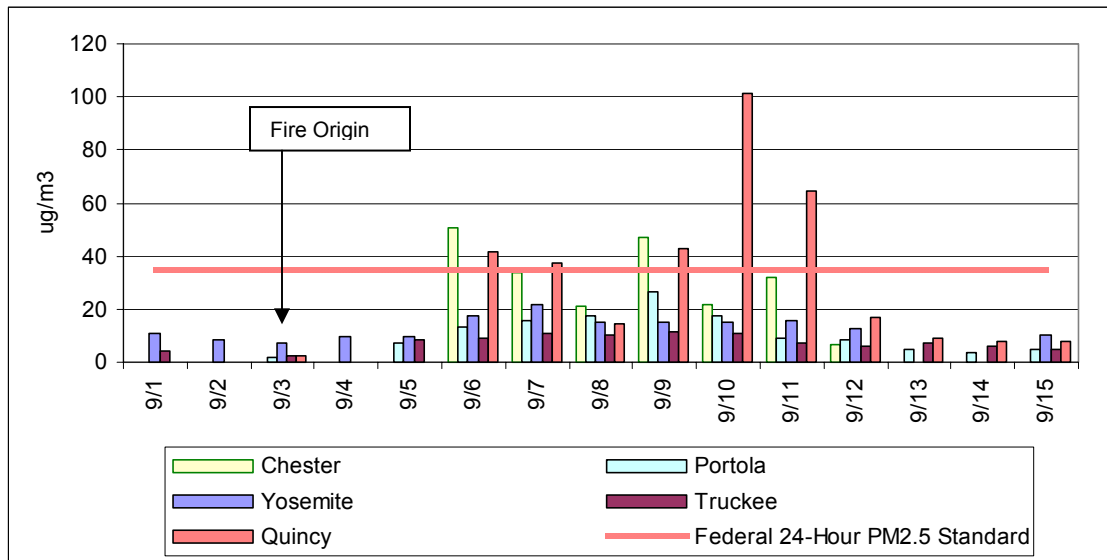


Figure 3: Selected Sacramento Valley Air Basin PM2.5 Monitoring Sites during the Moonlight Fire, September, 2007.

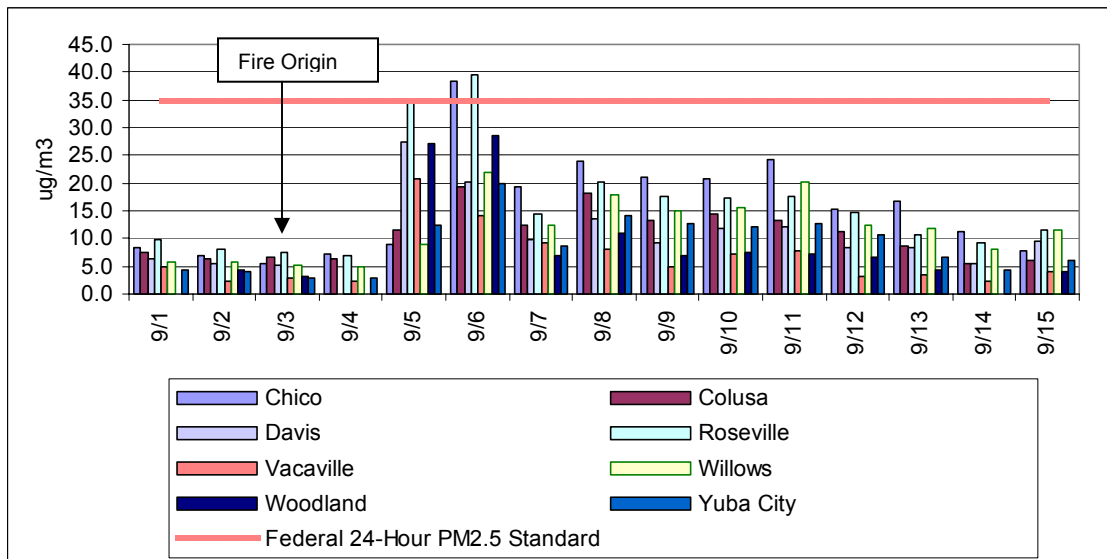


Figure 4: San Diego County APCD PM2.5 BAM Monitoring Sites during the October 2007 Wildfires.

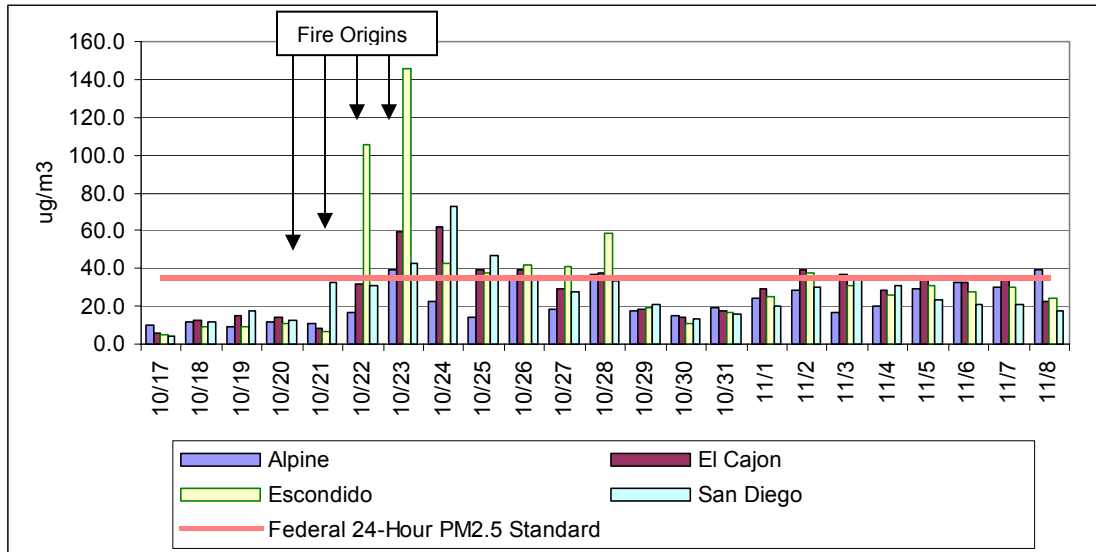
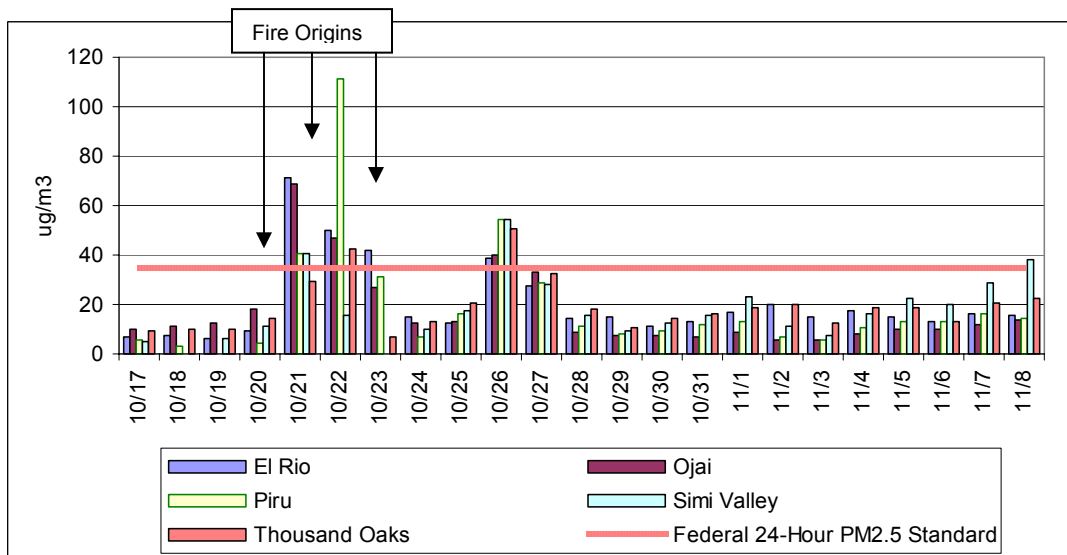


Figure 5: Ventura County APCD PM2.5 BAM Monitoring Sites during the October 2007 Wildfires.



Several of the days shown in the figures above correspond with FRM scheduled monitoring days. These days, and the corresponding monitoring sites, are noted in Table 2. ARB believes that these days should be flagged as exceptional events.

Table 2: PM2.5 BAM Measurements on FRM Scheduled Monitoring Days During California Wildfires from July to November, 2007.

Event	Monitoring District/Site	AIRS ID	FRM scheduled monitoring day	PM2.5 BAM Measurement	Preliminary PM2.5 FRM Concentration
ANTELOPE COMPLEX FIRE					
	NORTHERN SIERRA				
	Portola	60631009	7/8/07	47.5	41
MOONLIGHT FIRE					
	NORTHERN SIERRA				
	Quincy	60631006	9/6/07	41.8	tbd
			9/9/07	42.8	tbd
	SACRAMENTO VALLEY				
	No BAM sites exceeded Federal standard on scheduled FRM monitoring days				
SOUTHERN CALIFORNIA WILDFIRES					
	SAN DIEGO				
	Chula Vista	607300001	10/24/07	*	78
			11/2/07	*	36
	El Cajon	60730003	10/24/07	62	27
			11/2/07	39	36
			11/5/07	35	31
	Escondido	60731002	10/22/07	105	124
			10/23/07	146	126
			10/24/07	43	39
			10/25/07	38	36
			10/26/07	42	38
			10/27/07	41	38
			10/28/07	59	53
			11/2/07	38	44
			11/5/07	31	36
			11/6/07	28	48
	San Diego – Beardsley	60731010	10/21/07	33	37
			10/23/07	42	41
			10/24/07	73	70
			10/25/07	47	49
			10/26/07	36	33
			11/3/07	36	37
	VENTURA				
	El Rio	61113001	10/21/07	71	tbd
	Piru	61110009	10/21/07	40	tbd
	Simi Valley	61112002	10/21/07	40	tbd
* - not a BAM site tbd – to be determined					

## Satellite Images of 2007 Wildfires

The satellite images below show the Antelope Complex Fire (Figure 6), the Moonlight Fire (Figures 7 through 9), and the Southern California October Fires (Figure 10). Smoke from these fires can be seen impacting surrounding areas.

### Antelope Complex Fire

Figure 6: Terra satellite MODIS image showing Antelope Complex Fire and subsequent smoke plume on July 8, 2007 at 1137 local time.



### Moonlight Fire

Figure 7, taken on September 5, shows smoke moving southwest and then spreading both east and west over the Mountain Counties, Sacramento Valley, and San Joaquin Valley. Figure 8, taken on September 7, shows that the smoke plume also affected areas east of the fire.

Figure 7: Geostationary satellite (GOES) image showing Moonlight Fire and subsequent smoke plume on September 5, 2007 at 1430 UTC.

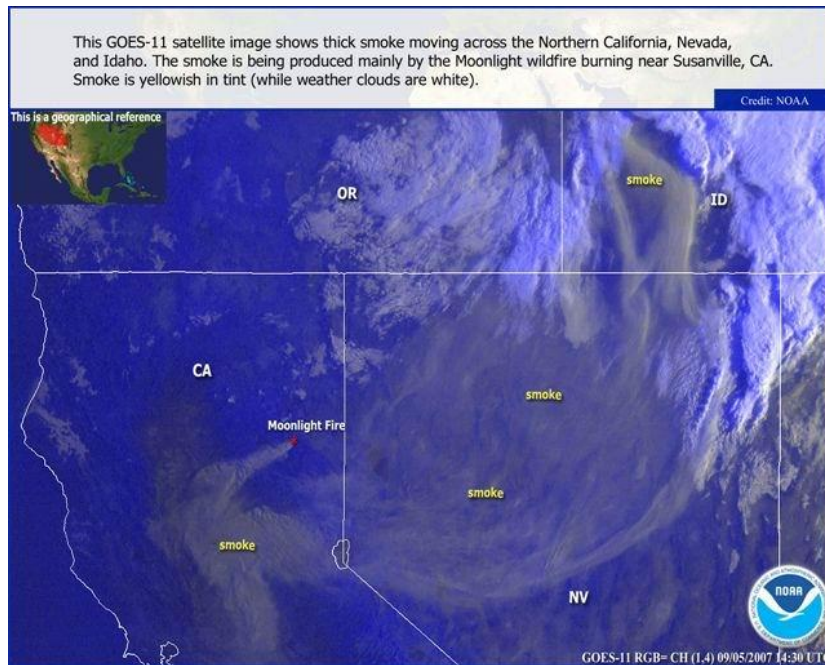


Figure 8: Geostationary satellite (GOES) image showing Moonlight Fire and subsequent smoke plume on September 7 2007 at 1500 UTC.

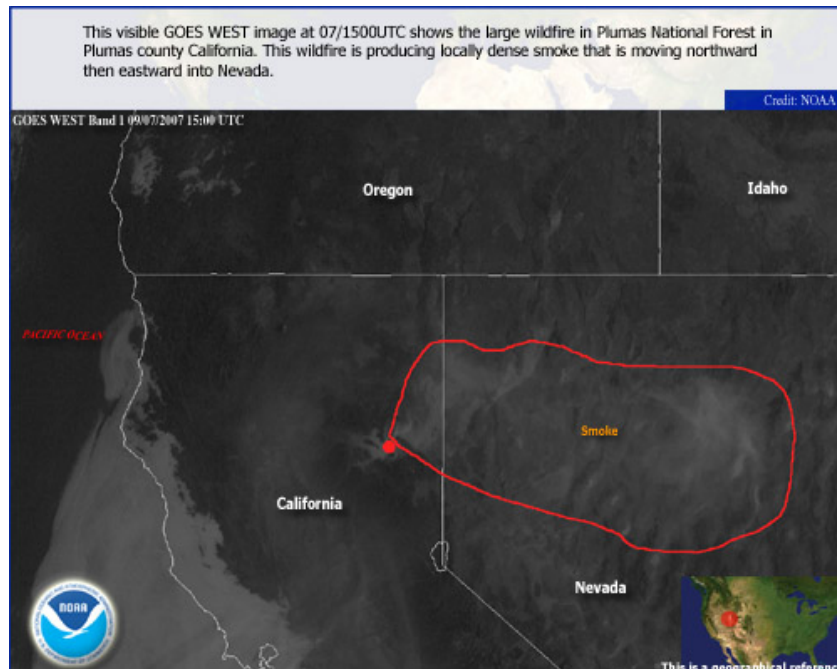


Figure 9 shows the Moonlight Fire on September 10. The area of smoke impact is again west and southwest of the original fire, towards the Sacramento Valley.



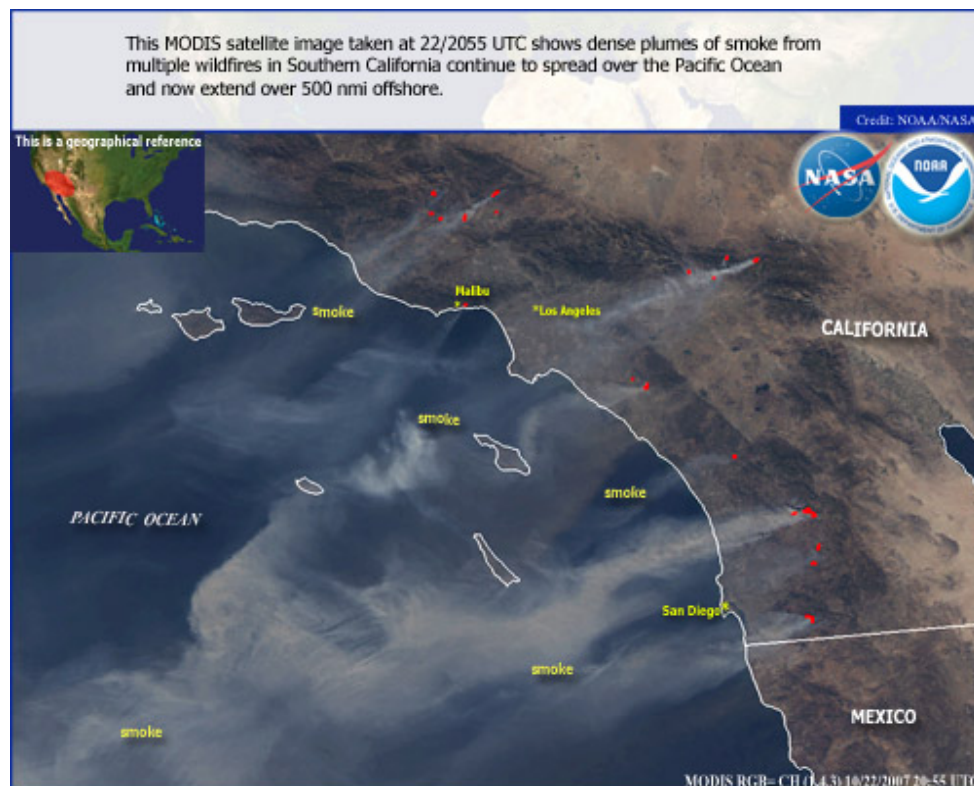
Figure 9: Terra satellite MODIS image showing Moonlight Fire and subsequent smoke plume on September 10, 2007 at 1430 UTC.



### Southern California Wildfires

The satellite image below shows several fires with resulting smoke being transported westward by strong Santa Ana winds.

Figure 10: Satellite image of Southern California Wildfires on October 22, 2007 at 2055 UTC



## **Public Notification and Mitigation**

Information regarding public notification of smoke impacts is attached. The Air Pollution Control Districts posted basic information and health advisories on their websites. Numerous media sources (newspapers, television, radio, and internet) provided both information on the fires and the impacts of smoke on health and property.

## Notices for July 2007 Antelope Complex Fire

# InciWeb - Wildland Fire and Incident Information System

## Wildfire/smoke Advisory

**Incident:** Moonlight

**Released:** 9/5/2007

**NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT** GRETCHEN BENNITT, APCO

Quincy Field Office

270 Hospital Rd., Suite 127

Quincy, CA 95971

(530) 283-4654 / FAX: (530) 283-0699

email: [george@myairdistrict.com](mailto:george@myairdistrict.com)

SEPTEMBER 5, 2007

## AIR QUALITY ADVISORY - SMOKE PLUMAS COUNTY, SIERRA COUNTY AND NEVADA COUNTY

Smoke from the Moonlight Fire in northeast Plumas County has spread across large portions of the counties of Plumas, Sierra and Nevada. In the early morning hours, the smoke plume was travelling west to Butte County, then southward before curving back to the east and into the foothills. The smoke plume is forecast to move east as the day progresses. Accordingly, the western portions of the northern Sierras should clear first, while smoke concentrations may increase in the eastern portions, including the Truckee area. However, the smoke may move back to the foothills tonight. Tomorrow (September 6), residual smoke is expected to clear by mid-morning with the arrival of west and southwest winds.

During periods when the smoke is especially dense, air quality may fall into the "very unhealthy" range. If you smell smoke, or see smoke around you, consider restricting your outside activities. Until the present conditions improve, individuals should consider taking the following actions:

- Healthy people should delay strenuous exercise, particularly when they can smell smoke.
- Children and elderly people should consider avoiding outdoor activities, particularly prolonged outdoor exertion.
- People with health-related illnesses, particularly asthma and respiratory problems, should remain indoors.
- Asthmatics should follow their asthma management plan.
- Contact your doctor if you have symptoms such as chest pain, chest tightness, shortness of breath, or severe fatigue. This is important for not only people with chronic lung or heart disease, but also for individuals who have not been previously diagnosed with such illnesses. Smoke can "unmask" or produce symptom of such diseases.
- Keep airways moist by drinking lots of water. Breathing through a warm, wet washcloth can also help relieve dryness.

Studies have linked fine particulate matter (smoke) with significant health problems, including work and school absences, respiratory related hospital admissions, aggravated asthma, acute respiratory symptoms (including severe chest pain, gasping, and aggravated coughing), chronic bronchitis, decreased lung function, and premature death.

A good internet site for fire information is <http://www.yubanet.com/>, and a satellite view depicting the smoke plume is available via [www.wrh.noaa.gov/sto](http://www.wrh.noaa.gov/sto) by clicking "Satellite Imagery" on the left and choosing the "Visible, Western US, 1km Resolution" option. Please do not call 911 for information; call only to report an emergency, such as a fire you can see.

**Advisory for Wednesday, September 5 and Thursday, September 6, 2007**

---

[Links](#) [Terminology](#) [About This Site](#) [Help](#) [Feeds](#) [Log In](#)

vs: 1.0.13 svr: rs04.inciweb.org load: 0.00222 sec

## Notices for September 2007 Moonlight Fire

# InciWeb - Wildland Fire and Incident Information System

## Wildfire/smoke Advisory

**Incident:** Moonlight

**Released:** 9/5/2007

**NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT** GRETCHEN BENNITT, APCO

Quincy Field Office

270 Hospital Rd., Suite 127

Quincy, CA 95971

(530) 283-4654 / FAX: (530) 283-0699

email: [george@myairdistrict.com](mailto:george@myairdistrict.com)

SEPTEMBER 5, 2007

## AIR QUALITY ADVISORY - SMOKE PLUMAS COUNTY, SIERRA COUNTY AND NEVADA COUNTY

Smoke from the Moonlight Fire in northeast Plumas County has spread across large portions of the counties of Plumas, Sierra and Nevada. In the early morning hours, the smoke plume was travelling west to Butte County, then southward before curving back to the east and into the foothills. The smoke plume is forecast to move east as the day progresses. Accordingly, the western portions of the northern Sierras should clear first, while smoke concentrations may increase in the eastern portions, including the Truckee area. However, the smoke may move back to the foothills tonight. Tomorrow (September 6), residual smoke is expected to clear by mid-morning with the arrival of west and southwest winds.

During periods when the smoke is especially dense, air quality may fall into the "very unhealthy" range. If you smell smoke, or see smoke around you, consider restricting your outside activities. Until the present conditions improve, individuals should consider taking the following actions:

- Healthy people should delay strenuous exercise, particularly when they can smell smoke.
- Children and elderly people should consider avoiding outdoor activities, particularly prolonged outdoor exertion.
- People with health-related illnesses, particularly asthma and respiratory problems, should remain indoors.
- Asthmatics should follow their asthma management plan.
- Contact your doctor if you have symptoms such as chest pain, chest tightness, shortness of breath, or severe fatigue. This is important for not only people with chronic lung or heart disease, but also for individuals who have not been previously diagnosed with such illnesses. Smoke can "unmask" or produce symptom of such diseases.
- Keep airways moist by drinking lots of water. Breathing through a warm, wet washcloth can also help relieve dryness.

Studies have linked fine particulate matter (smoke) with significant health problems, including work and school absences, respiratory related hospital admissions, aggravated asthma, acute respiratory symptoms (including severe chest pain, gasping, and aggravated coughing), chronic bronchitis, decreased lung function, and premature death.

A good internet site for fire information is <http://www.yubanet.com/>, and a satellite view depicting the smoke plume is available via [www.wrh.noaa.gov/sto](http://www.wrh.noaa.gov/sto) by clicking "Satellite Imagery" on the left and choosing the "Visible, Western US, 1km Resolution" option. Please do not call 911 for information; call only to report an emergency, such as a fire you can see.

**Advisory for Wednesday, September 5 and Thursday, September 6, 2007**

---

[Links](#) [Terminology](#) [About This Site](#) [Help](#) [Feeds](#) [Log In](#)

vs: 1.0.13 svr: rs05.inciweb.org load: 0.00226 sec

## Smoke-Related Health Advisory Issued

**Smoke-Related Health Advisory Issued****September 05, 2007**

The Moonlight Fire, burning in the Plumas National Forest, is creating smoky conditions in Placer County, prompting the Placer County Health and Human Services Department and Placer County Air Pollution Control District to issue a health advisory.

"In a nutshell, if you can see or smell smoke, you should limit outdoor physical activities, and strongly consider canceling outdoor sporting events and other group physical activities," Placer County Health Officer Dr. Richard Burton said.

People should generally avoid physical exertion during smoky conditions. Particularly affected are children and the elderly.

Dr. Burton and Air Pollution Control Officer Tom Christofk advise residents to take the situation into account as they plan activities.

Smoky conditions vary considerably in Placer County, because of the terrain and the weather. A specific location therefore may be smoky at one point and clear at another. Depending on where you are, you may or may not be impacted, and the situation could change very quickly.

If you are in an area where you can see or smell smoke, until conditions improve, consider the following recommendations:

- Healthy people should delay strenuous exercise.
- Children and elderly people should consider avoiding outdoor activities, particularly prolonged outdoor exertion.
- People with health-related illnesses, particularly respiratory problems, should remain indoors.
- Using paper mask filters, which are not capable of filtering extra-fine smoke particles, and which restrict airflow, is not recommended.
- Stay inside with doors and windows shut. Use the recycle or re-circulate mode on the air conditioner in your home or car. Avoid cooking and vacuuming, which can increase pollutants indoors.
- Asthmatics should follow their asthma-management plan.
- Contact your doctor if you have symptoms such as chest pain, chest tightness, shortness of breath, or severe fatigue. This is important for not only people with chronic lung or heart disease, but also for individuals who have not been previously diagnosed with such illnesses. Smoke can "unmask" or produce symptom of such diseases.
- Keep airways moist by drinking lots of water. Breathing through a warm, wet washcloth can also help relieve dryness.

## Smoke Advisory Update

**Smoke Advisory Update****September 06, 2007**

The Moonlight Fire, burning in the Plumas National Forest, has created smoky conditions in Placer County, prompting the Placer County Health and Human Services Department and Placer County Air Pollution Control District to issue a health advisory on Wednesday.

This advisory remains in effect today. However winds are expected to disperse the smoke over the next 24 hours.

"As a reminder, if you can see or smell smoke, you should limit outdoor physical activities, and strongly consider canceling outdoor sporting events and other group physical activities," Placer County Health Officer Dr. Richard Burton said.

As always, smoky conditions vary considerably in Placer County, because of the terrain and the weather. A specific location therefore may be smoky at one point and clear at another. Depending on where you are, you may or may not be impacted, and the situation could change very quickly.

People should generally avoid physical exertion during smoky conditions. Particularly affected are children and the elderly.

Dr. Burton and Air Pollution Control Officer Tom Christofk advise residents to take the situation into account as they plan activities.

If you are in an area where you can see or smell smoke, until conditions improve, consider the following recommendations:

- Healthy people should delay strenuous exercise.
- Children and elderly people should consider avoiding outdoor activities, particularly prolonged outdoor exertion.
- People with health-related illnesses, particularly respiratory problems, should remain indoors.
- Using paper mask filters, which are not capable of filtering extra-fine smoke particles, and which restrict airflow, is not recommended.
- Stay inside with doors and windows shut. Use the recycle or re-circulate mode on the air conditioner in your home or car. Avoid cooking and vacuuming, which can increase pollutants indoors.
- Asthmatics should follow their asthma-management plan.
- Contact your doctor if you have symptoms such as chest pain, chest tightness, shortness of breath, or severe fatigue. This is important for not only people with chronic lung or heart disease, but also for individuals who have not been previously diagnosed with such illnesses. Smoke can "unmask" or produce symptom of such diseases.
- Keep airways moist by drinking lots of water. Breathing through a warm, wet washcloth can also help relieve dryness.



## Notices for October 2007 Wildfires in Southern California



## Ventura County Air Pollution Control District

### Air Quality Forecast + Agricultural Burn Status

Home Search Forms Contact

#### Air Quality Advisory

Due to the smoke from many of the wildfires in and around Ventura County, it is possible that almost all areas of Ventura County will encounter smoke at some time. Air Quality in areas affected by the smoke are considered to be unhealthy. If you smell smoke, be cautious and use common sense to protect your family's health. Everyone, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors, and particularly avoid heavy exertion. If you have symptoms of lung or heart disease that may be related to air quality exposure (including wheezing, coughing, shortness of breath or difficulty breathing, increasing chest tightness or pain, palpitations, nausea or dizziness) follow or consult your doctor or health care provider. This advisory will be extended as conditions warrant. If you have questions contact VCAPCD, Kent Field or Hillary Hunt at 805.663.6563 or 805.1.400.



#### Agricultural Burn Regions

1. Coastal (Ventura / Oxnard / Camarillo)
2. Ojai Valley
3. Fillmore and Piru
4. Simi Valley and Moorpark
5. Conejo Valley (Thousand Oaks)
6. Northern Ventura County

#### Agricultural Burn Status for Tuesday, October 23, 2007

Burn Region	1	2	3	4	5	6
Early Morning (7 a.m. - 10 a.m.)	No	No	No	No	No	No
Late Morning (10 a.m. - noon)	No	No	No	No	No	No
Afternoon (noon - 4 p.m.)	No	No	No	No	No	No

Permit Must be Obtained from a Ventura County Fire Station



## Ventura County Air Pollution Control District

### Air Quality Forecast + Agricultural Burn Status

Home Search About Contact

#### Air Quality Advisory

Due to the smoke from many of the wildfires in and around Ventura County, it is possible that almost all areas of Ventura County will encounter smoke at some time. Air Quality in areas affected by the smoke are considered to be unhealthy. The Santa Ana winds are decreasing and the air quality is getting better. And there will be periods of time when the air quality is "Good." And there will be periods when it will be "Unhealthy". If you smell smoke, be cautious and use common sense to protect your family's health. Everyone, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors, and limit prolonged or heavy exertion. If you or your family is experiencing health problems, contact your health care provider. This advisory will be extended as conditions warrant. If you have questions contact VCAPCD, Kent Field or Hattery Hale at 805 662-6960 or 645-1400.



#### Agricultural Burn Regions

1. Coastal (Ventura / Oxnard / Camarillo)
2. Ojai Valley
3. Fillmore and Piru
4. Simi Valley and Moorpark
5. Conejo Valley (Thousand Oaks)
6. Northern Ventura County

#### Agricultural Burn Status for Thursday, October 25, 2007

Burn Region	1	2	3	4	5	6 < 24 H	6 > 24 H
Early Morning (7 a.m. - 10 a.m.)	No	No	No	No	No	No	No
Late Morning (10 a.m. - noon)	No	No	No	No	No	No	No
Afternoon (noon - 4 p.m.)	No	No	No	No	No	No	No

Permit Must be Obtained from a Ventura County Fire Station

**FOR IMMEDIATE RELEASE**

October 21, 2007

**Public Health Contacts:**

Michele Mickiewicz, Public Information Officer, 805-451-3497 (cell)  
Elliot Schulman, MD, MPH, Public Health Department Director, County Health Officer,  
805-681-5105

**APCD Contacts:**

Bobbie Bratz, Public Information Officer, 805-455-6403 (cell)

## **Air Quality Health Advisory Continues**

The health advisory issued yesterday by Santa Barbara County Public Health Department and the Santa Barbara County Air Pollution Control District (APCD) remains in effect. Air quality is unhealthy for all residents due to high winds that are blowing ash that is left over from the Zaca Fire as well as smoke from the Sedgwick Fire that is currently burning north east of Figueroa Mountain. There is currently an evacuation warning in place for the Woodstock community due to the Sedgwick Fire. There is also the possibility of smoke that will blow into Santa Barbara County from a fire burning near Piru in Ventura County.

Residents living in areas impacted by these fires and wind conditions are advised by County health and air quality officials to remain indoors, minimize time spent outdoors and limit prolonged or heavy exertion while outdoors. In addition, residents are advised to keep windows and doors closed to minimize air flow indoors. These precautions are recommended for all residents and especially for people with respiratory and heart conditions.

Dr. Elliot Schulman, County Health Officer, said, "As always when air quality is considered unhealthy, people with asthma or other respiratory diseases or heart conditions should monitor their health conditions and consult with their health care providers if their symptoms worsen."

# # #

**FOR IMMEDIATE RELEASE**

October 23, 2007

**Public Health Contacts:**

Michele Mickiewicz, Public Information Officer, 805-451-3497 (cell)  
Elliot Schulman, MD, MPH, Public Health Department Director, County Health Officer,  
805-681-5105

**APCD Contacts:**

Bobbie Bratz, Public Information Officer, 805-455-6403(cell)  
Tom Murphy, APCD Division Manager, 805-403-1096

## **Air Quality Advisory for Smoke, Ash and Soot**

Santa Barbara, CA — The Santa Barbara County Public Health Department and the Santa Barbara County Air Pollution Control District (APCD) have upgraded the precautionary advisory issued yesterday to an Air Quality Advisory for Santa Barbara County communities. Residents are advised to minimize time outdoors and avoid prolonged or heavy exertion. These precautions are especially important for people with respiratory and heart conditions.

The air quality conditions have degraded from Monday's levels due to high winds blowing smoke from the fires burning in southern California and continued impacts of ash and soot from the Zaca Fire.

Everyone is advised to be cautious and use common sense to protect your family's health, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors, and limit prolonged or heavy exertion. If you have symptoms of lung or heart disease that may be related to excess smoke or particulate exposure, including repeated coughing, shortness of breath or difficulty breathing, wheezing, chest tightness or pain, palpitations, nausea or unusual fatigue or lightheadedness, contact your health care provider.

Dr. Elliot Schulman, County Health Officer, said, "People are urged to continue being vigilant while the smoke and ash conditions continue. It is especially important for people with asthma or other respiratory diseases or heart conditions to monitor their health and consult with their health care providers if their symptoms worsen."

# # #

<b>Book a Hotel</b>	
<b>Hotels</b>	
Arrival:	7 Dec 07
Nights:	1
Rooms:	1
<input type="button" value="SEARCH"/>	
Or Call 800-590-1460	
<b>Packages</b>	
<b>Attraction Tickets</b>	
<b>Hot Deals</b>	
<b>Group Rates</b>	

**Main Menu**

[Home](#)  
[Apartments](#)  
[Autos](#)  
[sandiego.com Blogs](#)  
[Classifieds](#)  
[Coupons](#)  
[City News Roundup](#)  
[Events](#)  
[Forum](#)  
[Fun & Games](#)  
[Hotel Guide](#)  
[Jobs](#)  
[Movies](#)  
[Real Estate](#)  
[Travel Guide](#)  
[Weather](#)

**Article Topics**

[Arts](#)  
[Business](#)  
[Consumer](#)  
[Dining](#)  
[History](#)  
[Experience](#)  
[Music](#)  
[Opinion](#)  
[Nightlife](#)  
[Sports](#)  
[Television](#)

**sandiego.com Polls**

Currently no polls available to vote

**SanDiego.com Links**

[✚ Airport Info](#)  
[✚ Surf Report](#)  
[✚ Tide Report](#)  
[✚ Traffic Report](#)  
[✚ Sport Events](#)  
[✚ Concerts](#)  
[✚ Restaurants](#)  
[✚ Arts Events](#)

**San Diego Fire 2007 News**

Page 5 of 8

**Wednesday 10:55pm**

### ADDITIONAL AMERICAN RED CROSS SHELTERS

The American Red Cross has opened the following additional shelters:

- Mount Miguel High School at 8585 Blossom Lane in Spring Valley
  - The Rock Church for special needs evacuees at 2277 Rosecrans Street in San Diego
  - Poway Community Park at 13094 Civic Center Drive in Poway
- For a complete list of active shelters, visit the County of San Diego's Emergency Web site at [www.sdcountyemergency.com](http://www.sdcountyemergency.com).

Article Index

[San Diego Fire 2007 News](#)  
[Page 2](#)  
[Page 3](#)  
[Page 4](#)  
[Page 5](#)  
[Page 6](#)  
[Page 7](#)  
[Page 8](#)

**Wednesday 7:45pm**

### State Park Closures and Reservation Cancellations

The following state parks in San Diego County are closed:

- San Pasqual Battlefield State Historic Park
- South Carlsbad State Beach
- Torrey Pines State Reserve

The following state parks have cancelled all reservations through October 31. Refunds are available:

- Cuyamaca Rancho State Park
- Palomar Mountain State Park
- San Elijo State Beach
- Silver Strand State Beach
- San Onofre State Beach - reservations are cancelled at the San Mateo Campground only

**Wednesday 7:11pm**

### Boil Water Order for Callexico Lodge

A Boil Water Order has been issued for Callexico Lodge at 40248 Old Highway 80, Boulevard, 91905 effective immediately.

Due to the fires, this public water system lost pressure in its distribution system. The precautionary Boil Water Order will remain in effect until the distribution system has been disinfected and laboratory results confirm the absence of bacteria in the water supply.

Callexico Lodge immediately took steps to prevent the public from coming in contact with the water by posting public notification.

For more information on the Boil Water Order, please contact Vern Schoore, at (619) 766-4569.

**Wednesday 6:44pm**

The Air Pollution Control District has issued a Precautionary Smoke Advisory for the San Diego Air Basin, which encompasses San Diego County.

Small microscopic ash can enter the lungs through breathing in unhealthy air conditions. If you are in an area with visible smoke, or if


**SOUTH COAST  
AQMD**

SEARCH  **GO**  
[Can't Find It? - Click Here](#) [Advanced Search](#)

[Inside AQMD](#) [Community](#) [Business](#) [Technology](#) [Health & Education](#)

[Español](#) | [中文](#) | [한국어](#)

Cleaning the air that we breathe...



## Wildfires, Strong Winds Continue to Create Unhealthful Air Quality Across the Southland

Oct. 23, 2007

### Schools Urged to Curtail Outdoor Activities in Areas Affected by Smoke

Smoke and ash from numerous wildfires along with dust raised by strong winds continue to create unhealthful air quality throughout much of the Southland again today.

Air quality officials are advising all residents, and particularly school officials, to curtail outdoor activities if they can see or smell smoke or see falling ash.

Concentrations of fine particulate matter known as PM10 are at unhealthy levels in numerous areas directly impacted by smoke as well as high-wind areas in San Bernardino, Riverside, Orange, and Los Angeles counties.

In areas with unhealthy air quality, everyone should discontinue prolonged, vigorous outdoor exercise lasting longer than one hour.

Examples of the kinds of outdoor activities that should be avoided are calisthenics, basketball, running, soccer, football, tennis, swimming laps, and water polo. Susceptible persons, such as those with heart or lung disease, should avoid outdoor activity entirely.

The strong Santa Ana condition that is bringing gusty winds from the northeast through and below the Southland's passes and canyons is expected to continue through today, decreasing on Wednesday.

For more tips on avoiding health impacts from the smoke, see <http://www.aqmd.gov/pubinfo/factsheets.htm> on AQMD's website.


AQMD is the air pollution control agency for Orange County and major portions of Los Angeles, San Bernardino and Riverside counties.

-#-

*This page updated: October 23, 2007*

URL: <http://www.aqmd.gov/news1/2007/SouthlandWildfiresOctober2007.html>

[News Home](#)  
[News Archives](#)  
[Clean Air Awards](#)  
[History](#)  
[Links to Other Sites](#)  
[Media Office Contacts](#)

 Click to Print

[SAVE THIS](#) | [EMAIL THIS](#) | [Close](#)

[More Metro news](#)

## Air quality problems expected to linger

### Smoke, ash could remain an issue for several weeks

**By Robert Krier**

UNION-TRIBUNE STAFF WRITER

11:43 p.m. October 23, 2007

Decreasing winds should help firefighters Wednesday, but smoke and ash are expected to continue to accumulate, worsening already unhealthy conditions in much of the county.

"It's going to be many days before these particles are out of the atmosphere," said Bill Brick, senior meteorologist with the San Diego County Air Pollution Control District. "We won't have good air around the county until probably Saturday or Sunday."

Rain or a strong marine layer would help dilute the growing concentrations of airborne particles and wash the pollutants out of the air, but no such weather pattern is expected to develop this week, said Ed Clark, warning coordination meteorologist for the National Weather Service in Rancho Bernardo.

Early in the week, forecasters thought a storm could bring rain by Saturday.

"We're going to have air-quality issues – potentially – for several weeks," Brick said.

On Thanksgiving Day 2003, weeks after the Cedar, Paradise and Otay fires were mostly extinguished, winds kicked up dust and ash in the backcountry and created unhealthy conditions all the way to the coast.

Since the latest blazes began, winds blowing generally from the east have blown particulates – the term for dust, dirt, soot and smoke – more than 1,000 miles over the Pacific Ocean.

Some of that smoke could be sent back over the coast if the winds shift as expected tomorrow, Clark said.

"It will be diluted somewhat, but it will still be an onslaught of dirty air," Brick said.

Several days after the start of the 2003 wildfires, a similar wind shift carried a blanket of smoke back over nearly the entire county.

Yesterday, some flames were pushed eastward, but not because of a shift in large-scale wind patterns, forecaster Noel Isla said. The fires actually create their own weather because the heat causes the air to rise and more air rushes in below, creating an underdraft.

According to air monitoring stations, Escondido has experienced the worst air quality so far this week. Particulate levels have been considered very unhealthy to hazardous at times. Nearly a dozen people were admitted to Palomar Medical Center in respiratory distress, Palomar Pomerado Health spokesman Andy Hoang said.

Fans and special industrial filters were set up along the corridors of every floor of the Escondido hospital. But it still smelled of smoke. Staffers said wafts of sooty air seemed to fill the halls when the winds changed or the elevator doors opened. Masks were available as a courtesy to visitors.

Prolonged exposure to unhealthy air can lead to respiratory, vision and other health problems, said Brick, the meteorologist. But many people initially feel no symptoms.

"You may feel all right now, but these things are cumulative," said Brick, who advised that people remain indoors as much as possible and limit physical activity.

The Santa Ana winds, which peaked near 70 mph Monday, are expected to diminish. Winds should be in the 10 mph to 15 mph range today, and should be fairly calm tomorrow.

That would give firefighters a break. But humidity levels are expected to remain dangerously low today, and temperatures are expected to climb into the 90s in the inland valleys.

---

■ Staff writer Cheryl Clark contributed to this report.

Robert Krier: (619) 293-2241; [rob.krier@uniontrib.com](mailto:rob.krier@uniontrib.com)



Friday, December 7, 2007

Last modified Friday, October 26, 2007 3:39 PM PDT

Ramona, surrounding area under mandatory evacuation

By: SARAH WILKINS - Staff Writer

**NORTH COUNTY** ---- The entire town of Ramona ---- more than 36,000 people ---- and hundreds of residents in surrounding areas were forced to flee their homes Sunday night after a Santa Ana-whipped fire burned through 5,000 acres on both sides of Highway 78, leaving blazing structures, power outages and dead animals in its wake.

[View A Slide Show](#)

The inferno, dubbed the Witch Creek fire by officials, was one of a dozen blazes scorching Southern California from Malibu to Mexico that prompted Gov. Arnold Schwarzenegger to declare a state of emergency in San Diego, Los Angeles, Orange, Riverside, San Bernardino, Santa Barbara and Ventura counties.

In East County, the so-called Harris fire had charred 20,000 acres in Potrero, leaving one civilian dead and at least 14 people ---- including four fighters ---- hospitalized. Further north, fires were burning in Malibu, San Fernando Valley, Fontana, Devore, Arrowhead and other areas, threatening homes and charring thousands of acres.

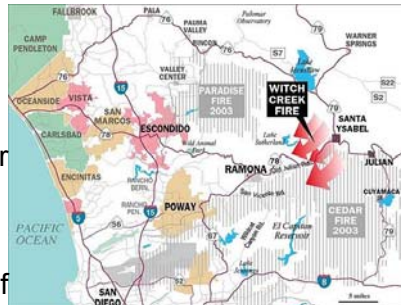
The Ramona-area fire turned into a wall of flames nearly instantly after it started just before 1 p.m. near Witch Creek Road. Within hours, 40 to 50 mph winds had whipped the blaze across 3,000 acres as it leapfrogged across Highway 78 in several places, fire officials said. At least 350 firefighters were working the fire lines Sunday in an effort to protect structures and allow evacuations.

The cause of the fire was under investigation, fire officials said.

The flames spread into two flanks that descended on Ramona, said Battalion Chief Kelly Zombro, of the California Department of Forestry and Fire Protection.

Flames surged westward between the areas charred by the 2003 Cedar fire, the 273,000-acre blaze that destroyed 2,400 homes and killed a firefighter and 14 other people. Sunday's flames, fed by gusts of up to 70 mph, were fueled by winds so strong that firefighting aircraft could not safely fly, Zombro said.

**Thousands warned by phone**



**Roads closed because of Ramona-area wildfire include:**

- Highway 78 at Magnolia Avenue
- Highway 78 at Rancho Santa Teresa
- Highway 79 at Highway 78
- Old Julian Highway at Vista Ramona Road
- Highway 79 at Highway 76

---- Source: California Highway Patrol, as of 10:45 p.m.

**Contacts and updates:**

24-hour Community, Health and Disaster Information: Dial 211

County General Information Line: (858) 694-3900

County Office of Emergency Services fire updates:

[www.sdcountyemergency.com](http://www.sdcountyemergency.com)

San Diego Gas & Electric Co.: [www.sdge.com](http://www.sdge.com)

California Highway Patrol traffic and road closure information: [cad.chp.ca.gov](http://cad.chp.ca.gov)

County Animal Services emergency information: (619) 767-2675

As the fire spread, officials used the county's Reverse 911 system ---- which is used to call residents in an emergency ---- to advise thousands of people to evacuate the areas of Ramona, Ramona Country Estates, Black Canyon, Witch Creek and other areas, sheriff's Lt. Phil Brust said. There were more than 36,000 residents in Ramona, according to the latest population figures compiled by the San Diego Association of Governments.

By late Sunday, parts of the San Pasqual Valley was evacuated and Poway residents were placed on alert.

Evacuation centers were set up at Escondido High School, 1535 North Broadway; and Steele Canyon High School, 12440 Campo Road in Spring Valley. Poor air quality prompted officials Sunday night to move an evacuation center at Poway High School to Mira Mesa High School.

The centers, set up by the American Red Cross, will remain open "as long as there is a need," spokeswoman Gayle Falkenthal said. Lodging, food, drinks and basic health services will be provided, she said.

An evacuation center set up at Escondido High School had more than 30 families by late evening, and authorities said they were anticipating up to 30 more families to show up during the night.

Adam Rosa said he and his parents evacuated their apartment on the east edge of Ramona at 8:30 p.m.

"The fire was right on the other side of the mountain from us when we left," he said. "Everything out there was all smoke and we couldn't breathe. When we were coming down the mountain we could see the mountain behind us."

### **Motels begin filling**

Other families forced to evacuate their homes began trickling into area motels shortly after nightfall.

The front desk clerk at Motel 6 in Escondido said, for example, that by mid-evening four evacuating families had taken rooms at the 131-unit complex at 900 Quince Street.

"We're anticipating more as the evening goes on," the clerk said, adding that several members of one family told her they had to make several back-and-forth trips to rescue their animals because they only had one horse trailer. "It's pretty sad."

All schools in the Ramona and Poway Unified school districts were ordered closed today, as was the Palomar Mountain Elementary School and the Dehesa Charter School in Escondido.

Meanwhile, evacuation points for large animals and livestock were set up at the Lakeside rodeo grounds, at Highway 67 and Magnolia Avenue in Lakeside, and the Del Mar Fairgrounds said Tammy Glenn, public information officer for the county.

As the flames spread, local residents and state officials mounted an effort to rescue some of the hundreds of horses that live in rural ranches in the area.

### **Desperate efforts to save horses**

Earlier in the day, Ramona residents Haley Van Houten and Shelee Lyon moved four horses in separate trailers from the Sierra South Horseshoeing School on Old Julian Highway to a south Ramona ranch. They returned for another load of horses but were not allowed back in.

"I know they mean well, but they don't have horses," Van Houten said of the officials blocking their path. Meanwhile, Lyon damaged the front tires on her vehicle while attempting to get past a tack strip set in the roadway by California Highway Patrol officers manning a road closure.

A second shelter for pets and smaller animals was established by the Escondido Humane Society at Poway High School, authorities said. It was unclear Sunday night whether the shelter was moved.

Authorities said anyone looking for general information on animal services should call 211. For emergencies, they said people should call county animal services at (619) 767-2675.

### **Power cut to protect firefighters**

As of Sunday night, utility crews had also shut down power to more than 1,000 customers in Ramona, Santa Ysabel,

San Diego Country Estates, the La Jolla Reservation and Mesa Grande, San Diego Gas & Electric reported.

At least some of the outages were put in place so firefighters would not have to work around live powerlines, authorities said.

"It's just to make it safe for firefighters and our folks," said Don Parent, spokesman for the utility company. "As soon as we check and make sure it's safe, we'll re-energize them."

The county Air Pollution Control District alerted residents to high concentrations of fine particulates from the smoke, resulting in potentially poor air quality in areas affected by fire. Residents should limit physical activity or stay indoors to avoid exposure to smoke-laden air, authorities said.

The weather is expected to bring little relief today, as winds will be "pretty much the same," gusting at 50 mph during morning hours, 75 mph during the afternoon and slowing only to 55 mph at night, National Weather Service meteorologist Noel Isla said.

Building high pressure is creating humidity levels of less than 10 percent, and wind could blow smoke and sand, creating additional hazards for large vehicles.

Winds should weaken by Wednesday and temperatures should begin cooling by Thursday, the weather service reported.

Information on the fires is available at [www.nctimes.com](http://www.nctimes.com) and [www.sdcountyemergency.com](http://www.sdcountyemergency.com). Residents can call 211 for non-emergency calls related to the fire. Cell phone calls should be directed to (858) 300-1211.

The Associated Press and staff writers Philip K. Ireland and Bob Masingale contributed to this report.

Contact staff writer Sarah Wilkins at (760) 740-3524 or [swilkins@nctimes.com](mailto:swilkins@nctimes.com).

#### **Roads closed because of Ramona-area wildfire include:**

- Highway 78 at Magnolia Avenue
- Highway 78 at Rancho Santa Teresa
- Highway 79 at Highway 78
- Old Julian Highway at Vista Ramona Road
- Highway 79 at Highway 76

---- Source: California Highway Patrol, as of 10:45 p.m.

#### **Contacts and updates:**

24-hour Community, Health and Disaster Information: Dial 211

County General Information Line: (858) 694-3900

County Office of Emergency Services fire updates: [www.sdcountyemergency.com](http://www.sdcountyemergency.com)

San Diego Gas & Electric Co.: [www.sdge.com](http://www.sdge.com)

California Highway Patrol traffic and road closure information: [cad.chp.ca.gov](http://cad.chp.ca.gov)

County Animal Services emergency information: (619) 767-2675

Connect instantly on the fastest and largest push-to-talk network.



New! i335 by Motorola®  
\$49.99  
after \$50 mail-in rebate.

Shop now

Sprint ahead

Subscribe to Paper

Online Edition

Welcome

Email Alerts: Receive breaking news as it happens.  
your email...  Submit

Report Your News



Search:

Site Web

Search

powered by Google™

Home Local Sports Opinion Blogs Entertainment Life Customer Service Place An Ad

## Local News

Home > [Local News](#)

Del.icio.us | Digg | [Print Article](#) | [E-Mail Article](#) | Change Font Size 

### Smoke from wildfires prompts health advisory

HILLARY BORRUD

October 24, 2007 - 7:31PM

VICTORVILLE — With smoke, ash and particulate matter from wildfires drifting through the Victor Valley on Wednesday, the Mojave Desert Air Quality Management District issued an ongoing health advisory.

Employees at the air district said that the advisory will remain in effect until further notice, and changing weather conditions will continue to bring smoke into the desert through at least today.

"I wouldn't say it's going to get any better," air quality instrument technician Tony Malone said, referring to today's forecast.

While the health advisory is in effect, people with respiratory diseases such as asthma and the elderly and young children should avoid strenuous activities, according to the MDAQMD.

Residents in areas downwind from the smoke, including Adelanto, Apple Valley, Hesperia, Lucerne Valley, Phelan and Victorville, should stay indoors when possible with the windows closed and air conditioners on the recycled air setting.

Fred Wohosky, who provides weather forecasts for the MDAQMD, said at noon Wednesday that the high pressure system in Colorado that has caused Santa Ana conditions in California would be breaking down over the next 12 to 18 hours, making winds more variable.

"It really has the potential for air quality to be diminished," he said.

For updated information on air quality, call the MDAQMD at 245-1661, ext. 5067 or 245-1661 ext. 6717. Current health advisories are also at [www.mdaqmd.ca.gov](http://www.mdaqmd.ca.gov).

[See archived 'Local News' Stories >](#)



James Quigg / Staff Photographer

A firefighter hoses into a steep ravine while fighting the Slide Fire in Running Springs Wednesday afternoon.

#### Top Rated Stories

- Young hero saves life; pulls man from burning vehicle
- Barstow girl, 15, killed in vehicle shooting
- Man rescues girl from Oro Grande Wash
- Van kills boy, 10, on bike
- Road rage ends in driver dead

#### Most Viewed Stories

- Storm may be a challenge for motorists
- Escapee down to his handcuffs, boxers
- Suspect flees but leaves license plate behind
- And the winner of High Desert Slimdown is ...
- Co-defendant testifies after striking deal
- Road rage ends in driver dead
- Hesperia's new mayor stands up for Valley-Hi
- Muslim woman sues for being forced to remove headscarf in jail
- A.V. backdrop for Spielberg film
- Barstow girl, 15, killed in vehicle shooting

Ads by Google

[Advertise on this site](#)

#### Firefighter Ringtones

Send Complimentary Ringtones to your cell.  
[BestTones4U.net](http://BestTones4U.net)

#### Coffee Exposed

A shocking secret coffee co's don't want you to know.  
[www.coffeefool.com](http://www.coffeefool.com)

#### Disaster Relief Kits

Emergency Preparedness Bioterrorism Supplies  
[frontlinesafetyproducts.com](http://frontlinesafetyproducts.com)

#### Home Wildfire Protection

Protects your Home and Family From Exterior Fire Threats  
[www.CssFire.com](http://www.CssFire.com)

Click to vote

SEARCH

- Home
- Topics
- Features
- Special Reports
- theWeekly

EVENTS

DEC 07

Chico

Presentation on Financing Services for Patients

DEC 07

Stem Cell Agency Subcommittee on Governance Meeting

DEC 11

Stem Cell Agency Biotech Loan Task Force Meeting

View All Events

FROM THE FOUNDATION

CalHospitalCompare Now en Español

The first hospital report card available in Spanish, the site will serve the state's 12.7 million Latinos and provide quality comparisons on health services such as maternity and cardiac care.

Expanding the Use of School-Based Clinics

School-based clinics improve access to primary care and mental health services, especially for low-income children. A new report explores their history and plans for expansion.

Welcome to California Healthline. For unrestricted access, please log-in now or register for a free subscription.

## Public Health

October 25, 2007

### Smoke From Wildfires Raising Health Concerns in Southern California

Smoke inhalation from California's wildfires is causing a spike in respiratory illnesses, but health experts maintain that the health problems are unlikely to lead to higher mortality rates, *USA Today* reports.

Researchers cited studies of previous wildfires in California and near Denver that found that residents experienced increases in asthma and other illnesses but that inhaling smoke did not increase the mortality rates over the short-term (Sternberg, *USA Today*, 10/25).

Meanwhile, public health officials and medical providers are recommending that elderly residents and people with respiratory problems stay indoors to limit the amount of smoke inhalation.

Health experts contend that particulate matter is the most dangerous byproduct of wildfires because it is invisible to the naked eye and can worsen symptoms of asthma, bronchitis and emphysema (Chang, AP/Salt Lake City *Deseret Morning News*, 10/24).

The effect of breathing the particles is not immediate, but several hospitals in San Diego County already have reported an increase in patients with respiratory symptoms.

Smita Desai, pulmonary and critical-care specialist at UC-San Diego Medical Center in Hillcrest, said cellular research of particulate matter has found a "tiny risk of increased cancer risk" but noted that further research is needed to better determine the long-term consequences (Clark, *San Diego Union-Tribune*, 10/25).

#### Broadcast Coverage

NPR's "All Things Considered" on Wednesday included a discussion with NPR correspondent Carrie Kahn about conditions for nursing home residents evacuated to Qualcomm Stadium in San Diego.

The segment also includes comments from a nursing home resident and a volunteer (Norris, "All Things Considered," NPR, 10/24).

Audio of the segment and expanded NPR coverage are [available online](#).

Readers are invited to send feedback to: [chl@chcf.org](mailto:chl@chcf.org)

- Print Article
- Email Article

#### RELATED STORIES

- 10/24/2007 Wildfires Causing Upswing in Respiratory Complaints
- 10/23/2007 Fires Force Evacuations at San Diego County Medical Facilities
- 06/23/2006 Air Pollutants Might Increase Risk of Autism

#### Already a Subscriber?

Username/Email

Password

☒ Remember me

LOG IN

Forgot your password? Register for an account.

#### Trial Subscription

Get California Healthline delivered to your inbox. Sign-up for a two-week trial subscription by entering your email address.

SIGN UP

#### THIS WEEK'S MOST POPULAR ARTICLES

Viewed

Emailed

Health Care Reform Negotiations Continue as Priorities Shift

California Hospital News Roundup for the Week of Nov. 29, 2007

Harvard Policy Experts Recommend Steps for Improving Health Care

Health Care Personnel Update for November 2007

Vote on Health Care Reform Postponed, Talks Continue

I.2. San Diego Air Pollution Control District  
Intent to Flag and Initial Documentation – December 5, 2007



## **Air Pollution Control Board**

Greg Cox	District 1
Dianne Jacob	District 2
Pam Slater-Price	District 3
Ron Roberts	District 4
Bill Horn	District 5

December 5, 2007

Sean Hogan, Chief  
Technical Support Office  
U. S. EPA Region IX  
75 Hawthorne Street  
San Francisco CA 94105-3901

### **FLAGGED AMBIENT AIR MONITORING DATA FOR EXCEPTIONAL EVENT**

The devastating fires that hit Southern California in late October 2007, adversely affected the air quality in the San Diego Air Basin. Many air quality monitoring sites recorded high levels of various pollutants during the fires (October 21-November 9, 2007); including several exceedances of Federal and State air quality standards. Additionally, the ash deposited on the grounds and swept by the high winds contributed to elevated levels of inhalable particulates at several sites; even after the fires. Therefore, it is necessary to flag all data affected during these exceptional events.

The fires had minor impacts on the levels of carbon monoxide (CO) and nitrogen dioxide (NO<sub>2</sub>). We are not requesting to flag any data for these gaseous pollutants. However, ozone (O<sub>3</sub>) data were affected by emissions from the fires and will be flagged for October 21-28, 2007. No other gaseous pollutant data warrant data flagging.

We have flagged the PM<sub>10</sub> data recorded at all San Diego monitoring sites for the period, October 21-27, 2007 as exceptional events. In addition, PM<sub>2.5</sub> data recorded at all of our sites for the period, October 21-November 8, 2007 were flagged as exceptional events. The Federal 24-hour PM<sub>2.5</sub> standard was exceeded 18 times at four different sites during this period, whereas the PM<sub>10</sub> standard was exceeded only once.

If you have any questions, please call me at (858) 586-2760.

Mahmood Hossain, Chief  
Monitoring & Technical Services Division  
San Diego Air Pollution Control District  
10124 Old Grove Road  
San Diego, CA 92131  
Telephone: (858) 586 2760  
Fax: (858) 586 2759

MH;mh

Attachment

cc:

Catherine Brown, EPA

Karen Magliano, ARB-PTSD

Sylvia Zulawinck, ARB-PTSD

Theresa Najita, ARB-PTSD

Bill Brick, SDAPCD

Mike Kaszuba, SDAPCD

Carl Selnick, SDAPCD

Jean Timmerman, SDAPCD





#### Air Pollution Control Board

Greg Cox	District 1
Dianne Jacob	District 2
Pam Slater-Price	District 3
Ron Roberts	District 4
Bill Horn	District 5

### NOTICE OF INTENT TO DECLARE FIRESTORM 2007 AN EXCEPTIONAL EVENT

Pursuant to the Code of Federal Regulations, Title 40, Part 81.10, the San Diego Air Pollution Control District is notifying the public hereby that the Environmental Protection Agency has been advised of our intention to flag those data which we have determined were directly influenced by the firestorm, haze and related wildfires. Such data will be designated as "exceptional event" data. Data to be flagged will include ozone, PM<sub>10</sub> and PM<sub>2.5</sub> values. In virtue of being flagged, the data will still be available for scientific or public review, but will not be available for purposes of air quality standard attainment designation. A file of supporting documentation will be prepared by District and California Air Resources Board personnel, forwarded to EPA, and made available to the public for review and comment through this venue at a later date. Final acceptance/rejection of exceptional event designation will be determined by EPA. Questions related to this issue may be directed to Mike Maszuba, Manager, Laboratory and Ambient Air Monitoring Section, or Mike Maszuba at [maszuba@sdapcd.org](mailto:maszuba@sdapcd.org).



## **INCIDENT CHRONOLOGY:**

11-09-07 12:25 p.m. The County of San Diego Department of Environmental Health has lifted the Boil Water Order for Santa Ysabel Trailer Park at 21848 Cabrillo Street, Santa Ysabel, effective immediately. Analytical results for water samples indicate the water is free from total Coliform bacteria.

11-08-07 9:15 a.m. The County of San Diego Department of Environmental Health has lifted the Boil Water Order for Tecate Vista Mutual Water Company, located at 444 Hwy 188 in Tecate, CA 91980, effective immediately. Analytical results for water samples indicate the water is free from total Coliform bacteria.

11-07-07 3:05 p.m. The County of San Diego Department of Environmental Health has lifted the Boil Water Order for Yoga Center Mothers Kitchen at 33120 Canfield Road in Palomar Mountain effective immediately.

11-07-07 2:40 p.m. The County of San Diego Department of Environmental Health has lifted the Boil Water Order for West Cuca Mutual Water Company at 20001 Hwy 76 in Pauma Valley effective immediately.

11-05-07 4:09 p.m. The County of San Diego, Department of Environmental Health (DEH) has lifted the Boil Water Orders for Potrero Elementary School at 24875 Potrero Valley Road in Potrero and Set Free Ministries at 18985 Highway 94 in Dulzura effective immediately. Analytical results for water samples indicate that the water is free from Total Coliform bacteria.

11-05-07 10:48 a.m. The County Department of Environmental Health (DEH) has lifted Boil Water Orders for Rancho Corrido RV Resort, located at 14715 Hwy 76, Pauma Valley, CA 92061 and Potrero General Store, located at 25125 Hwy 94, Potrero CA 91963 effective immediately. Analytical results for water samples at both locations indicate the water is free from Total Coliform bacteria.

11-05-07 8:49 a.m. The County of San Diego, Department of Environmental Health (DEH) has lifted the Boil Water Order and Public Notification for Rancho L'Abri Water System, located at 18091 Hwy 94, Dulzura, CA 91971 effective immediately. Analytical results for water samples indicate that the water is free from Total Coliform bacteria.



## COUNTY OF SAN DIEGO

Due to the fires this public water system lost pressure in the water distribution system. As a precaution a Boil Water Order was issued until laboratory results showed the water is free from bacterial contamination. The water is free to be consumed without boiling first.

For more information on the Boil Water Order, please contact Rose Jones, at (619) 468-9333.

11-03-07 4:38 p.m. The County Department of Environmental Health (DEH) has lifted the Boil Water Orders for Barrett Lake Mobile Home Park, located at 1250 Barrett Lake Road, Dulzura, CA 91917 effective immediately. Analytical results for water samples indicate that the water is free from total coliform bacteria.

Due to the recent fires, these public water systems lost pressure in the water distribution system. As a precaution, a Boil Water Order was issued until laboratory results showed the water was free from bacterial contamination. The water may now be consumed without boiling first.

11-02-07 4:10 p.m. Boil Water Orders Lifted For Barrett Junction Café, Inc. Water System And San Pasqual Academy Water System.

The County Department of Environmental Health (DEH) has lifted the Boil Water Orders and Public Notifications for Barrett Junction Café, Inc., located at 1020 Barrett Lake Road in Dulzura, CA 91917 and San Pasqual Academy located at 17701 San Pasqual Valley Road in Escondido, CA 92025, effective immediately. Analytical results for water samples indicate that the water is free from total Coliform bacteria.

Due to the fires, these public water systems lost pressure in the water distribution system. As a precaution, a Boil Water Order was issued until laboratory results showed the water was free from bacterial contamination. These system's users are free to consume the water without boiling first.

11-02-07 10:20 a.m. Boil Water Order Lifted for Rancho Estates Mutual Water Company.

The County Department of Environmental Health (DEH) has lifted the Boil Water Order and Public Notification for Rancho Estates Mutual Water Company, located at Adams Drive in Pauma Valley, CA 92061 effective immediately. Analytical results for water samples indicate that the water is free from total Coliform bacteria.

Due to the fires this public water system lost pressure in the water distribution system. As a precaution, a Boil Water Order was issued until laboratory results showed the water is free from bacterial contamination. This system's users are free to consume the water without boiling it first. For more information on the Boil Water Order, please contact J.P. Bartkowski at (760) 742-3876.



## COUNTY OF SAN DIEGO

11-1-07 3:44 p.m. CORRECTION: LOCAL ASSISTANCE CENTERS HELP MORE THAN 14,000 FIRE VICTIMS SINCE OPENING

The four Local Assistance Centers located in San Diego County have helped almost 14,300 people representing more than 5,500 households as of closing on Wednesday, Oct. 31. A breakdown of yesterday's activity at each center is below:

- Fallbrook: served 487 people representing 300 households
- Rancho Bernardo: served 6 residents from unincorporated areas representing 5 households (*\*please contact City of San Diego to verify number of City of San Diego residents served*)
- Ramona: served 348 people representing 230 households
- Cuyamaca – Rancho San Diego: served 115 people representing 74 households

### ADDITIONAL BUILDING FEES WAIVED

Building fees assessed by Fire Districts and School Districts will be waived for all fire victims processing building permits to reconstruct homes and businesses. The County has also waived its building fees for fire victims.

11-1-07 2:00 p.m. ADDITIONAL BOIL WATER ORDERS LIFTED

The County of San Diego Department of Environmental Health has lifted the Boil Water Orders and Public Notifications for the following locations:

- T.C. Worthy Cash and Carry, Inc. located at 405 Tecate Road in Tecate
- Spencer Valley School located at 4414 Hwy 79 in Santa Ysabel

Due to the fires, this public water systems in these areas lost pressure in the water distribution system. As a precaution, Boil Water Orders were issued until laboratory results showed the water is free from bacterial contamination. People who use these water systems can now use them without boiling first.

11-1-07 11:25 a.m. TWO AMERICAN RED CROSS SHELTERS REMAIN OPEN IN COUNTY

The following shelters are open:

- St. Peters Church at 450 S. Stagecoach in Fallbrook (Opened to replace Fallbrook Union High School shelter)



## COUNTY OF SAN DIEGO

- Valley Center High School at 31322 Cole Grade Road in Valley Center

All other Red Cross shelters are closed.

11-1-07 10:37 a.m. The Harris Fire is 90,440 acres and 100% contained on October 31st at 6 am, and full control is expected on November 3<sup>rd</sup> at 7 a.m. There are 1,428 firefighters assigned. Cost to date is \$16.8 million. There have been 40 injuries to firefighters.

The Witch Fire is 197,990 acres and 100% contained as of 6 pm. Full control is expected on November 5th at 6 p.m. There are 1,271 firefighters assigned. Cost to date is \$16 million. There have been 40 injuries to firefighters.

The Poomacha Fire is 50,156 acres and 85% contained. Full containment is expected on November 3rd with no control date given. There are 2,305 firefighters assigned. There have been 13 injuries to firefighters. Cost to date is \$11.4 million.

### 11-1-07 10:37 a.m. Red Cross Shelter Updates

The following shelters are open:

Del Mar Fairgrounds, 2260 Jimmy Durante Blvd. in Del Mar

St. Peters Church, 450 S. Stagecoach, Fallbrook (Opened when Fallbrook Union High School shelter closed)

Valley Center High School, 31322 Cole Grade Road, Valley Center

10-31-07 4:38 p.m. Boil Water Orders are Lifted for: Pauma Valley Mutual Water Company, Del Dios Mutual Water Company and Muir Industries. The systems have power and have done analytical testing of their water supplies.

10-31-07 9:00 a.m. ALL Evacuation Orders Lifted-ALL County Residents May Return Home.

The La Jolla Reservation, the Palomar Mountain community area, and the Hwy 76 corridor - the Valley Center Road/Rincon Ranch Road area to the Lake Henshaw Resort area - are now open to RESIDENTS AND BUSINESSES ONLY.

All roads and highways leading to the above communities are open.



## COUNTY OF SAN DIEGO

The Cleveland National Forest remains closed.

10-31-07 8:52 a.m. Cal Fire provides the following update:

The Harris Fire is 90,440 acres and 100% contained on October 31st at 6 am, and full control is expected on November 3rd at 8 am. There are 2,214 firefighters assigned. Cost to date \$15.6 million. There have been 36 injuries to firefighters.

The Witch Fire is 197,990 acres and 99% contained. Full containment is expected on October 31st at 6 pm and full control on November 5th. There are 1,759 firefighters assigned. Cost to date \$15.2 million. There have been 40 injuries to firefighters.

The Poomacha Fire is 50,156 acres and 70% contained. Full containment is expected on November 6th. There are 2,312 firefighters assigned. There have been 13 injuries to firefighters (injuries were reduced by 8 due to an error on the first report). Cost to date \$10.5 million.

10-30-07 6:37 p.m. Cal Fire provides the following update:

The Harris Fire is 90,440 acres and 95% contained. Full containment is expected on October 31st and full control on November 3rd. There are 2,214 firefighters assigned. Cost to date \$15.2 million. There have been 34 injuries to firefighters.

The Witch Fire is 197,990 acres and 99% contained. Full containment is expected on October 31st and full control on November 5th. There are 2,002 firefighters assigned. Cost to date \$15 million. There have been 40 injuries to firefighters..

The Poomacha Fire is 49,540 acres and 70% contained. Full containment is expected on October 31st and full control on November 5th. There are 2,314 firefighters assigned. There have been 21 injuries to firefighters. Cost to date \$10.2 million.

10-30-07 3:10 p.m. U.S. Customs and Border Protection officials announced today that the Tecate port of entry will reopen to cargo truck traffic on Wednesday, Oct. 31 at 8:30 a.m. The Harris fire threatened the facility and forced its evacuation on Sunday, Oct. 21.

Due to roadway safety concerns by state officials, all cargo trucks will still be required to use SR-188 to SR-94 east when entering and exiting the U.S. at the port until the roadways leading to the port are repaired. Crews are currently working to fix the roads as well as guardrail and roadway signs near the facility. About 300 cargo trucks use the Tecate port of entry daily.



## COUNTY OF SAN DIEGO

The port reopened to passenger cars and pedestrians Monday.

10-30-07 11:25 a.m. County Issues First Building Permit After 2007 Fires.

San Diego County's Department of Planning and Land use this morning issued the first permit to build a home destroyed by the 2007 wildfires. The 3,004 square foot home and 1,038 square foot garage will be rebuilt on Starlight Mountain Road in Ramona.

The permit was expedited and processed at no cost to the fire victims.

10-30-07 10:55 a.m. 2-1-1 Provides Valuable Fire Information to Thousands of Residents.

The 2-1-1 call center answered nearly 109,000 calls from residents in need of timely information about shelters, evacuations, road closures and the progression of the fires. During the week of October 21-28, operators and volunteers answered questions like:

- "Can you please give me more details about the evacuation?"
- "Where should I go?"
- "What do I do with my animals?"
- "How do I get assistance to move my mother?"

The average wait time was 1.36 minutes for the entire week, and during peak call times, the average wait time never exceeded 4 minutes. Although wait times were longer in the beginning stages of the fires, the County of San Diego provided personnel and equipment to quickly increase the 2-1-1 call capacity.

The service provided by 2-1-1 is a critical resource during disasters, allowing 9-1-1 operators to answer emergency calls.

10-30-07 10:00 a.m. Potrero Recall Election to Proceed as Planned

The December 11, 2007 Recall Election in the Potrero Community Planning Group will proceed as planned, Registrar of Voters Deborah Seiler announced today.

"Any voters displaced by the fire do not lose their domicile for purposes of voting," said Seiler. "We just need a mailing address so we can deliver their ballots."



## COUNTY OF SAN DIEGO

Most voters' mail delivery is not affected, regardless of the status of their homes. Over 80% of the 509 registered voters in the district pick up their mail at the Potrero post office that resumed operations on October 27, well in advance of the November 13th deadline to mail ballots for the recall election.

Voters who receive street delivery and whose homes are no longer habitable can apply for general delivery, a service offered by the U.S. Postal Service. Although this service is normally restricted to 30 days, postal service representative have assured the registrar's office that general delivery service will be extended indefinitely for fire victims. As of Tuesday, October 30, only three of the 88 voters who receive street delivery are on the confirmed damage list and the registrar's office will attempt to contact those voters to obtain their mailing addresses.

A petition for the recall of five members of the Potrero Community Planning Group was circulated this summer and sufficient valid signatures were obtained to trigger the recall election. Potrero Community Planning Group elections are governed by San Diego County Board of Supervisors Policy I-1, which allows the election to be conducted by mail ballot.

All registered voters in the Potrero Community Planning Area are eligible to vote. The last day to register to vote in this election is Monday, November 26. Registration affidavits are available at Post Offices, the Department of Motor Vehicles, Library buildings, as well as various City Clerk offices. Affidavits are also available at the Registrar of Voters at 5201 Ruffin Road, Suite I.

10-30-07 9:30 a.m. Testing Shows Ramona Water Safe to Use

The Ramona Municipal Water District in conjunction with the California Department of Public Health, has determined that, through abatement of the health hazard followed by comprehensive testing of the water, your tap water is safe to drink. It is no longer necessary to consume bottled water.

Homeowners will still need to take steps to assure that the water in the internal plumbing system is safe. For more information call:

Ramona MWD: (760) 789-1330

<http://www.rmwd.org/>

California Department of Public Health: (619) 525-4159





## COUNTY OF SAN DIEGO

10-29-07 7:30 p.m. CAL FIRE reports the Harris Fire is 90,440 acres and 85% contained. Full containment is expected on October 31st and full control on November 3rd. There are 2,522 firefighters assigned. Cost to date \$13.3 million. There have been 34 injuries to firefighters, 21 civilians burned and 5 civilian fatalities.

The Witch Fire is 197,990 acres and 95% contained. Full containment is expected on October 30th and full control on November 3rd. There are 2,002 firefighters assigned. Cost to date \$14.4 million. There have been 39 injuries to firefighters, 2 civilian fatalities.

The Rice Fire is 9,472 acres and 100% contained. Full containment was obtained on October 28th at 7 a.m., and full control on November 5th. There are 264 firefighters assigned. Cost to date \$6.5 million. There have been 6 injuries to firefighters.

The Poomacha Fire is 49,540 acres and 70% contained. Full containment is expected on October 31st and full control on November 5th. There are 2,793 firefighters assigned. There have been 21 injuries to firefighters. Cost to date \$8.8 million. 143 homes, 77 outbuildings destroyed. 4 homes, 12 outbuildings damaged. In addition to the structures destroyed, there were 363 vehicles destroyed.

10-29-07 3:01 p.m. San Diego County residents have filed 5,682 applications for federal assistance with the Federal Emergency Management Agency (FEMA), as of 4 p.m. on Sunday, Oct. 28. Of those applicants, 662 have already had FEMA property inspections. The turnaround time for applicants from the time they register to the time of inspection is approximately two days. Thus far, FEMA has approved 204 applications, authorizing \$981,954 in payments to victims of the 2007 San Diego wildfires.

10-29-07 2:06 p.m. The Boil Water Order is lifted for the Rainbow Metropolitan Water District . The state Department of Public Health's Drinking Water Program has lifted the boil water order for areas served by open reservoirs in the Rainbow Metropolitan Water District.

10-29-07 1:45 p.m. Clarification of Services Offered at Local Assistance Centers vs. Red Cross sites . Residents affected by the fires can receive local, state, federal, and Red Cross services at the following Local Assistance Centers: Rancho Bernardo Glassman Recreation Center , 18448 W. Bernardo Dr. , San Diego .

Fallbrook Community Center , 341 Heald Ln , Fallbrook

MEDIA & PUBLIC RELATIONS  
1600 PACIFIC HIGHWAY, ROOM 208 • SAN DIEGO, CA 92101



## COUNTY OF SAN DIEGO

Ramona Community Center, 1710 Montecito Rd., Ramona

Rancho San Diego - Cuyamaca College, 900 Rancho San Diego Pkwy., El Cajon . *For hours of operation of the Local Assistance Centers, visit [www.sdcountyrecovery.com](http://www.sdcountyrecovery.com).*

The American Red Cross has opened additional centers that offer Red Cross services only: Valley Center High School (opened 10/28), 31322 Coal Grade Rd. , Valley Center

Campo Community Center - 947 Sheridan Road , Campo

Del Mar Fairgrounds, West Grandstands Lower Level, 2260 Jimmy Durante Blvd., Del Mar

Kiwanis Community Center , 25771 Potrero Valley Rd , Potrero

Dulzura Community Center , 1136 Community Building Road , Dulzura . The hours of operation are for Red Cross services at all of the above sites are as follows:

Monday to Friday: 9 a.m. to 7 p.m.

Saturday: 8 a.m. to 5 p.m.\* (Rancho Bernardo LAC closes at 4 p.m.)

Sunday: 9 a.m. to 2 p.m.

10-29-07 1:11 p.m. East Mesa Juvenile Detention Facility Open House Postponed Until Dec 1 . Due to the wildfires, the East Mesa Juvenile Detention Facility Open House, scheduled for Saturday, Nov. 3, has been postponed until Dec. 1, 2007. The hours will be 10 a.m. to 1 p.m.

10-29-07 12:47 p.m.

County Residents Turning to Local Assistance Centers (LACs) : More than 7,000 people have turned to the San Diego County Local Assistance Centers for help to recover from the fires. Until yesterday evening, a total of 2,668 households and 7,279 people had been served. Residents affected by the fire can continue to receive local, state, federal, and Red Cross services at the following locations.

Fallbrook: Fallbrook Community Center , 341 Heald Lane , Fallbrook, 92028



## COUNTY OF SAN DIEGO

Ramona: Ramona Community School , 1710 Montecito Road , Ramona, 92065

Rancho San Diego: Cuyamaca College, 900 Rancho San Diego Parkway, El Cajon 92109

The hours of operation for the above centers are: Mon - Fri 8 a.m. - 7 p.m.

Sat 8 a.m. - 5 p.m.

Sun 9 a.m. - 2 p.m.

Rancho Bernardo: Glassman Recreation Center

18448 West Bernardo Dr.

San Diego , CA 92127

Mon - Fri 7a.m. - 8 p.m.

Sat 8 a.m. - 4 p.m.

Sun 9 a.m. - 2 p.m.

Note: The Red Cross has opened several assistance centers throughout the County where residents can obtain Red Cross services only.

10-29-07 11:45 a.m. Residents are advised that firefighters are planning to conduct a firing operation on the northeast corner of the Poomacha Fire today near Cutca Valley . A back fire is a fire set along the inner edge of a fire perimeter to consume the fuel in the path of a wildfire. Today's controlled burn will cover about 3,500 acres. Residents may see smoke in the area.

10-28-07 9:44 p.m. NEW SHELTER OPEN IN RAMONA

Due to the large number of people who came to Ramona to visit the Local Assistance Center, a new shelter is open in the community tonight. The shelter is located at Olive Peirce Middle School at 1521 Hanson Lane in Ramona. The school plans to re-open to students Tuesday, Oct. 30.

10-28-07 8:38 p.m.

### EVACUATION UPDATE

Approximately 2,600 residents remain under an evacuation order, all of them in the area of the Poomacha fire. Local shelters are currently housing about 450 people.

MEDIA & PUBLIC RELATIONS

1600 PACIFIC HIGHWAY, ROOM 208 • SAN DIEGO, CA 92101



## LOCAL ASSISTANCE CENTERS

The County is operating three centers in Fallbrook, Ramona and Rancho San Diego. From Wednesday, Oct. 24 through Saturday, Oct. 26, the centers have seen almost 6,000 people representing about 1,900 households. People who were inside the centers at closing today continued to be served for several hours. Those numbers will be updated as they become available.

## DAMAGE ASSESSMENT

County crews have assessed 99 percent of the damage caused by the Witch, Harris, Rice Canyon and Poomacha fires in the unincorporated areas. Hot spots and active fire still prevent inspection of some areas. The number of residential, commercial and industrial buildings destroyed is:

- Witch Fire 573
- Harris Fire 206
- Rice Canyon Fire 208
- Poomacha Fire 16
- TOTAL 1,003

The estimated cost of structural damage in the unincorporated areas is \$400 million. A list of properties damaged or destroyed in the unincorporated areas, visit [www.sdcountyrecovery.com](http://www.sdcountyrecovery.com).

10-28-07 6:55 p.m. EMERGENCY NOTIFICATION: REGISTER YOUR CELL PHONE AND E-MAIL ADDRESS

Residents who live in San Diego County, which includes all 18 cities and the unincorporated areas of the County, are encouraged to register their cell phones and e-mail addresses for emergency notifications by visiting <http://www.alertsandiego.org> within the next few days. Possible moderate to strong Santa Ana winds are forecast for next weekend.

Once e-mail addresses and cell phone numbers are registered, it will take up to 24 hours for that information to be updated into *AlertSanDiego*, the County of San Diego mass notification system that is commonly referred to Reverse 911.



## COUNTY OF SAN DIEGO

*AlertSanDiego* will provide emergency alerts to your cell phone and e-mail address including evacuation notices. This is in addition to the land line calls received by those who have land line phones.

Residents are able to register multiple cell phone numbers and e-mail addresses by reopening the Web page. Residents without computers may access this Web site from one of the County libraries. There is no charge to use the computers at County libraries.

If a City resident has registered a cell phone number with the *City* of San Diego Reverse 9-1-1 system that information is automatically shared with the *County* cell phone registry. To register an e-mail address computer users must register with the *County* system.

Please note that while the County Mass Notification System is considered effective and efficient, you should not wait or rely exclusively on a call for evacuation directives. If you think you are in danger, you should evacuate immediately. If you are directed to evacuate by emergency personnel, you should follow their direction.

10-28-07 4:00 p.m. The County of San Diego Department of Environmental Health (DEH) has issued a Boil Water Order for the Palomar Christian Conference Center, located at 34764 Doane Valley Rd. and the Yoga Center Mothers Kitchen, located at 33120 Canfield Road, both in Palomar Mountain, and the Rancho Estates Mutual Water Company, located at Adams Drive in Pauma Valley.

Due to the fires these public water systems lost pressure in their water distribution systems. As a precaution a Boil Water Order is being issued until laboratory results show the water is free from bacterial contamination.

10-28-07 3:03 p.m. Boil Water Orders for Pauma Valley Area Water Systems. The County of San Diego Department of Environmental Health (DEH) has issued a Boil Water Order for the Pauma Valley Mutual Water Company, located at 15907 Pauma Reservoir Road in Pauma Valley and the West Cuca Mutual Water Company, located at 20001 Hwy 76 in Pauma Valley . Due to the fires these public water systems lost pressure in their water distribution systems. As a precaution a Boil Water Order is being issued until laboratory results show the water is free from bacterial contamination. *For more information on the Boil Water Order for the Pauma Valley Mutual Water*



## COUNTY OF SAN DIEGO

*Company, please contact Earl Rutz at (760) 728-7171. For more information on the Boil Water Order for the West Cuca Mutual Water System, please contact Shane Fitzgerald at (760) 742-4292.*

10-28-07 12:44 p.m. Important Water Information for Ramona Residents : The following information is an advisory to residents in the Ramona Municipal Water: Recent improvements to the situation in Ramona's water distribution system has allowed Ramona Municipal Water District to lift the restriction on outdoor use and bathing and washing hands. DO NOT CONSUME THE WATER, including while bathing. The state Department of Health said a DO NOT DRINK order is still in effect. Ramona residents are advised to use bottled water for all drinking (including baby formula and juice), brushing teeth, washing dishes, making ice and food preparation. This advisory is in effect until further notice. For additional information refer to the UNSAFE WATER ALERT issued to residences on Thursday, October 25th, contact the water district, [www.sdcountyrecovery.com](http://www.sdcountyrecovery.com) or call 211.

10-28-07 11:45 a.m. The County Department of Environmental Health (DEH) has issued a Boil Water Order for Rancho Corrido RV Resort, located at 14715 Hwy 76 in Pauma Valley.

Due to the fires this public water system lost pressure in the water distribution system. As a precaution a Boil Water Order is being issued until laboratory results show the water is free from bacterial contamination.

*For more information on the Boil Water Order, please contact Glen Crowder at (760) 742-3755.*

10-28-07 8:34 a.m. The Harris Fire is 90,750 acres and 65% contained. Full containment is expected on October 31st and full control on November 4th. There are 2,544 firefighters assigned. Cost to date is \$9.7 million. There have been 32 injuries to firefighters, 21 civilians burned and 5 civilian fatalities.

The Witch Fire is 197,990 acres and 90% contained. Full containment is expected on October 30th and full control on November 3rd. There are 2,807 firefighters assigned. Cost to date is \$11.3 million. There have been 38 injuries to firefighters and 2 civilian fatalities. There are 1,040 homes and 414 outbuildings destroyed. There are 70 homes and 25 outbuildings damaged. Destroyed vehicle figure note: Vehicles destroyed include cars, boats, travel trailers, and tractors. Total for this category is 852, with 8 vehicles being damaged.



## COUNTY OF SAN DIEGO

The Rice Fire is 9,000 acres and 100% contained. Full containment was obtained on October 28<sup>th</sup> at 7 a.m., and full control on November 5th. There are 850 firefighters assigned. Cost to date is \$4.9 million. There have been 5 injuries to firefighters.

The Poomacha Fire is 49,150 acres and 50% contained. Full containment October 31<sup>st</sup>. There are 2,123 firefighters assigned. There have been 18 injuries to firefighters. Cost to date is \$5.2 million. Firefighters continue to implement strategies to minimize the impacts to the Agua Tibia Wilderness. Indirect and direct line construction in the Wilderness area will be the emphasis today.

10-27-07 7:44 p.m. The Tecate port of entry will reopen to passenger vehicle and pedestrian traffic at 5 a.m. on Monday, October 29, U.S. Customs and Border Protection officials announced today.

The port will resume its normal operating hours of 5 a.m. to 11 p.m. to process on average 2,500 passenger vehicles and over 7,000 people daily that enter the U.S. at the eastern San Diego County border facility. Due to roadway safety concerns by state officials, all cargo trucks will still be required to enter and exit the U.S. at the Otay Mesa or Calexico commercial ports of entry until the roadways leading to the port are certified safe for big, heavy vehicles.

10-27-07 6:25 p.m. According to CAL FIRE, the Poomacha Fire is the only blaze in San Diego County with active flames along the perimeter. About 2,690 residents of the Palomar Mountain and Pauma Valley area remain under an evacuation order tonight, as the fire remains active in those communities. Fire officials will re-evaluate the situation tomorrow.

10-27-07 5:55 p.m. Microsoft and the County of San Diego are providing free internet access to Julian residents until communications are restored.

Microsoft has placed a specially equipped bus in the parking lot of the County of San Diego Julian Branch Library.

This bus offers computers with internet access and printing, a WiFi hot spot, cell phones, and an Xbox unit.

Where: Julian Branch Library Parking Lot , 1850 Highway 78, Julian, CA 92036

When: Daily 9am to 6 pm, Service will continue as needed

10-27-07 5:35 p.m. The American Red Cross reports the following shelter closings in the County of San Diego:



## COUNTY OF SAN DIEGO

The following shelters are closed, as of 5:00 p.m. Saturday, October 27th:

- El Cajon Valley High School, 1035 E. Madison, El Cajon
- Escondido High School, 1535 North Broadway, Escondido
- The Rock Church, 2277 Rosecrans St., San Diego
- Santana High School, 9915 Magnolia Avenue, Santee
- El Camino High School, 400 Rancho Del Oro Drive, Oceanside

10-27-07 4:15 p.m. A Reverse 911 message has been sent to Ramona residents with the following information about the use of water:

- Municipal water delivery will resume today and tomorrow for Ramona residents
- Drinking the water is unsafe, even if the water is boiled
- The water should be used *only* in toilets and laundry
- Residents should avoid showering or bathing in the water; hot showers are available at the Ramona Rodeo on Aqua Lane
- Bottled water or hand sanitizer should be used when washing hands
- Bottled water should be used for brushing teeth, washing dishes, making ice and preparing food
- Outdoor water use is prohibited

10-27-07 4:08 p.m. The following communities impacted by the Witch Fire are now open. The area is specified by a box created by:

- Areas north of San Pasqual Valley Road and Hwy 78.
- Areas east of North Lake Wohlford Road and Valley Parkway
- Areas west of Black Canyon Road and Sutherland Road
- Areas south of Canal Road

Cleveland National Forest is still closed for recreation purposes.

10-27-07 3:48 p.m. All Evacuation Orders Are Lifted For The Harris Fire.

The following areas are newly opened:

- Carveacre Region
- Lawson Valley Region
- Jamul Region





## COUNTY OF SAN DIEGO

This also includes the following previously reopened areas:

Potrero Region; Tecate Region; Dulzura Region; Barrett Junction Region; Engineer Springs Region; Deerhorn Valley Region; Indian Springs Region

All of these areas are open to residents only. The following road closures still in effect due to road work:

- Highway 94 at Barrett Smith East
- Highway 188 and Highway 94

10-27-07 1:25 p.m. The community of Mesa Grande is now open for residents to return home. Residents should use Highway 79. Highway 78 and Highway 76 remain closed in that area.

10-27-07 1:10 p.m. Fallbrook Partial Reentry.

Residents from Fallbrook may now return home, EXCEPT those living on Reche Road and Live Oak Park Road.

Reche Road and Live Oak Park Road REMAIN CLOSED because of downed power lines.

10-27-07 12:10 p.m. Evacuation update.

640,000 residents total were placed under evacuation orders throughout the wildfires.

19,000 residents currently remain under evacuation orders.

10-27-07 11:54 a.m. Peutz Valley Road, along with its ancillary streets, is now open to residents and the general public alike. El Monte Valley, including the entirety of both El Monte Road and Willow Road, is now open to residents and the general public alike.

10-27-07 9:48 a.m. CLARIFICATION: Lawson Valley & Carveacre STILL UNDER EVACUATION. Japatul Valley Rd. is closed by CHP between Lyons Valley Rd. and Tavern Rd.

10-27-07 9:41 a.m. Evacuation Orders Lifted for:

Dulzura, residents only

Indian Springs and Proctor Valley, residents only

Engineer Springs and Barrett Junction, residents only

Residents must enter from west side of Highway 94. Many areas of Highway 94 are reduced to one lane. Highway 94 at Barrett Smith East remains closed for roadwork.



## COUNTY OF SAN DIEGO

10-27-07 9:28 a.m. The community of Deerhorn Valley has been reopened to residents only. Residents must enter from the west side of Hwy. 94 Honey Springs Road is closed to traffic just north of Deerhorn Road.

10-27-07 9:00 a.m. CAL FIRE provides the following update:

Harris Fire is 85,800 acres and 50% contained. Full containment is expected on October 31st and full control on November 4th. There are 2,068 firefighters assigned. Cost to date \$7.8 million. There have been 16 injuries to firefighters, 21 civilians burned and 5 civilian fatalities. 188 homes, 1 commercial property and 222 outbuildings destroyed. 250 homes and 2 commercial properties damaged. The Witch Fire is 197,990 acres and 60% contained. Full containment is expected on October 31st and full control on November 5th. There are 3,031 firefighters assigned. Cost to date \$9.2 million. There have been 34 injuries to firefighters, 2 civilian fatalities. 911 homes, 30 commercial property and 175 outbuildings destroyed. 62 homes, 10 commercial properties, 50 outbuildings damaged. The Rice Fire is 9,000 acres and 80% contained. Full containment is expected on October 28th and full control on November 5th. There are 967 firefighters assigned. Cost to date \$3,108,143 million. There have been 4 injuries to firefighters. The Poomacha Fire is 43,000 acres and 45% contained. Full containment and control on October 29th. There are 1,838 firefighters assigned. There have been 14 injuries to firefighters. 78 homes, 19 outbuildings destroyed. Continue structure protection and perimeter control. Continue firing operations as weather and conditions allow. Continue to assess the conditions in and around communities to allow residents to return when conditions are safe.

10-27-07 8:25 a.m. The evacuation order for Japatul has been lifted for residents to return home. Evacuation orders REMAIN for Lawson Valley & Carveacre.

10-27-07 1:03 a.m. All Del Dios residents may return to their homes. This includes all areas including Del Dios Highway and the community of Del Dios.

10-26-07 7:40 - Current Wildfire Stats

Harris Fire

- 86,000 acres
- 35% contained.
- Full containment on October 31st
- Full control on November 4th.
- 2,068 firefighters assigned

MEDIA & PUBLIC RELATIONS

1600 PACIFIC HIGHWAY, ROOM 208 • SAN DIEGO, CA 92101



## COUNTY OF SAN DIEGO

- Cost to date \$7.2 million
- 16 injuries to firefighters, 21 civilians burned and 5 civilian fatalities.
- 111 homes, 1 commercial property and 86 outbuildings destroyed. 250 homes damaged.
- Crews were moved into the Lawson Valley and Carve Acres area in preparation to protect these communities should the fire cross Lyons Valley Rd.

### Witch Fire

- 197,990 acres
- 45% contained
- Full containment on October 31st
- Full control on November 5th
- 2,474 firefighters assigned
- Cost to date \$9 million
- 26 injuries to firefighters, 2 civilian fatalities.
- 911 homes, 30 commercial property and 175 outbuildings destroyed. 62 homes, 10 commercial properties, 50 outbuildings damaged.

### Rice Fire

- 9,000 acres
- 60% contained
- Full containment on October 28th
- Full control on November 5th
- 967 firefighters assigned
- Cost to date \$3,108,143
- 3 injuries to firefighters
- Minimal fire activity, interior burnout, occasional flare-ups

### Poomacha Fire

- 42,000 acres
- 35% contained
- Full containment and control on October 29th
- There are 1,794 firefighters assigned
- 14 injuries to firefighters
- 78 homes, 19 outbuildings destroyed
- The fire was active near Pauma Reservation and Palomar Mtn. The fire has entered the Aqua Tibia Wilderness. Control operations within this area are difficult given the steep terrain and inaccessibility. Active structure protection occurring in the Mt. Palomar area. In residential areas where the overall threat has lessened, some displaced residents are being allowed to return.



## COUNTY OF SAN DIEGO

10-26-07 6:56 Rainbow area now opened.

The following area is now to open to residents and the general public alike. The area is specified by a box created by:

- I-15 to the west
- Valley Center to the east
- Old Castle Road to the south
- Riverside County to the north

10-26-07 6:33 p.m. Boil Water Order issued for Sunrise Estates Mutual Water Company Water System.

The County of San Diego, Department of Environmental Health (DEH) has issued a Boil Water Order for Sunrise Estates Mutual Water Company, 20560 Bee Valley Road in Jamul.

10-26-07 6:27 p.m. Del Dios Highway between Rancho Drive and Elm Lane is now open. The community of Del Dios remains under evacuation.

10-26-07 6:14 p.m. Evacuation notices have been lifted for the Pala area; Rancho Heights area; Pauma Valley/Highway 76 corridor west of Valley Center Road at I -15; and the areas south of Lake Wohlford including the Bear Valley and the Guejito Ranch. These areas are open to residents and local businesses only.

10-26-07 6:12 p.m. All residents of Julian, Wynola, Cuyamaca, and Pine Hills communities may return to their homes.

10-26-07 4:12 p.m. Further partial lift of Fallbrook evacuation order.

Rainbow Glen Road in Fallbrook is now open to residents with I.D., along with the following ancillary roads:

- Ranchbrook Road
- Aspen Road
- Sumac Summit
- Rosa Rancho Lane
- Lookout Mountain



## COUNTY OF SAN DIEGO

10-26-07 3:46 p.m. Boil Water Order issued for Rancho L'Abri, T.C. Worthy Cash and Carry Water Systems.

The County of San Diego, Department of Environmental Health (DEH) has issued a Boil Water Order for Rancho L'Abri Water System, located at 18091 Hwy 94 in Dulzura, and T.C. Worthy Cash and Carry, Inc. located at 405 Tecate Rd. in Tecate.

The Rancho L'Abri system serves a group care facility and the T.C. Worthy Cash and Carry system serves a grocery store, two water vending machines, and a retail store.

The Boil Water Order will remain in effect until the distribution system has been disinfected and samples confirm the absence of bacteria in the water supply.

10-26-07 3:17 p.m. All of Spring Valley and Jamacha are open for reentry. Evacuation notices partially lifted for Bonita and Sunnyside. The following areas of Bonita-Sunnyside are open for reentry. The area is specified by a box created by:

- Areas north of Chula Vista
- Areas east of Chula Vista and San Diego
- Areas west of Hwy 125
- Areas south of Jamacha Blvd

The following areas of San Vicente are open for reentry. The area is specified by a box created by:

- Areas north of Interstate 8
- Areas east of Poway
- Areas west of San Diego Country Estates
- Areas south of Highway 67

Carveacre is still under a mandatory evacuation order. Japatul Road is still closed at Dehesa/Tavern Road. Japatul Valley Road south of Interstate 8 is closed.

10-26-07 2:55 p.m. Residents from the De Luz area and the Oak Crest Estates Mobile Home Park can now return to their homes.

10-26-07 2:27 p.m. CORRECTION: Cause of the Witch Fire

he cause of the Witch Fire remains under investigation. Materials at the recent news conference indicated the fire was human caused. That was an error.

The only local fire that has been confirmed as started by a human is the Rice Fire.



## COUNTY OF SAN DIEGO

10-26-07 2:30 p.m. The following areas of the Dehesa-Harbison area are open for reentry:

- All areas north of Willow Glen Drive
- All areas east of El Cajon
- All areas west of South Grade Road and Tavern Road
- All areas south of Interstate 8

10-26-07 1:51 p.m. Water Available for Ramona Livestock.

Well water is available for livestock at the Ramona Rodeo at 421 Aqua Lane. This well water is not certified for human consumption, but has served livestock for years at the Rodeo Grounds.

Residents can bring their own containers for livestock water. As stated previously, there are bottles of water, portable bathrooms and showers available for humans at this same location.

Using this water will help to prevent the use of municipal water supplies while it is being sanitized and pressure is being brought up to standards.

10-26-07 1:39 p.m. The Del Dios Highway was reopened at 1:30 p.m.

Drivers still need to be cautious as there may be some downed power lines across side roads within the community of Del Dios that utility crews are still working on.

10-26-07 1:36 p.m. Boil Water Order issued for Barrett Valley.

A Boil Water Order has been issued for the community of Barrett Valley, affecting approximately nine customers.

Due to the fires, this public water system lost power. The Boil Water Order will remain in effect until the distribution system has been disinfected and samples confirm the absence of bacteria in the water supply.

10-26-07 1:19 p.m. Boil Water Order issued for Del Dios Mutual Water Company.

A Boil Water Order has been issued for the community of Del Dios, affecting approximately 151 customers.

Due to the fires, this public water system lost pressure in the water distribution system. The Boil Water Order will remain in effect until the distribution system has been disinfected and samples confirm the absence of bacteria in the water supply.

10-26-07 12:11 p.m. Update on Fallbrook reentry.

Yesterday, Fallbrook was partially reopened to residents. However, the following portions of Fallbrook still remain closed:



## COUNTY OF SAN DIEGO

- All areas north of E. Mission Road, between Hamilton Lane and Old Highway 395
- All areas east of Live Oak Park Road, between Reche Road and E. Mission Road
- All areas east of Wilt Road between Highway 76 and Reche Road
- All areas along Old Highway 395 from Highway 76 to E. Mission Road
- The corridor of Reche Road from Live Oak Park Road to Old Highway

Although the majority of the residences in these closed areas were not directly affected by fire, officials have determined that it is not yet safe to repopulate these areas due to the following concerns:

- Downed power lines
- Broken water mains and contaminated water
- Leaking gas valves and propane tanks
- Broken utility lines
- Hot spots in the area subject to flare-ups
- Areas subject to landslide and/or erosions

10-26-07 11:57 a.m. The American Red Cross will start serving food to Ramona residents at the Ramona Senior Center at 434 Aqua Lane at 12:00 pm today. Since Ramona residents are under a mandatory order to not use any municipal water and therefore may not be able to cook for themselves, the Red Cross will offer hot meals.

Bottled water, portable bathrooms and showers are available at the adjacent Ramona Rodeo in Fred Grand Arena at 421 Aqua Lane.

10-26-07 11:43 a.m. Residents Remaining Under Evacuation. As of 10:00 a.m., there are approximately 45,650 residents still under mandatory evacuation throughout San Diego County.

10-26-07 8:22 a.m. CAL FIRE provides the following update: The Harris Fire is 84,300 acres and 20% contained. Full containment on October 31st and full control on November 4th. There are 1,341 firefighters assigned. Cost to date \$5.8 million. Approximately 500 more homes were ordered evacuated yesterday. 12 injuries to firefighters, 21 civilian burns and 5 civilian fatalities. Yesterday re-entry for residents only was allowed in the Thousand Trails, Potrero and Tecate neighborhoods. The Witch Fire is 197,990 acres. The fire is now 45% contained. Full containment on October 28th and full control on November 5th. 26 Firefighters have been injuries to firefighters and 2 civilian fatalities. 2, 883 firefighters have been assigned. Cost to date \$7.5 million. Conditions have improved in these areas to allow return of residents Poway, Escondido, Rancho Santa Fe, San Diego and Rancho Bernardo. The town of Ramona has been repopulated. SDG&E is beginning to



## COUNTY OF SAN DIEGO

re-establish utility service to some affected areas. No change on acreage for Rice, but it's now 40% contained. 3 injuries to firefighters and there are 1,073 firefighters assigned. Full containment on October 31st and full control on November 4th. Cost to date \$2,386,841. Portions of Fallbrook re-opened to residents today, anticipate gradual lifting of additional evacuations over the next several days. The Poomacha Fire is 39,900 acres and 35% contained. Cost to date \$1.7 million. 12 injuries to firefighters, 1,482 firefighters assigned. Full control and containment is expected on October 29th. Control strategies to minimize the fire spread within and overall impacts to the Aqua Tibia Wilderness.

10-26-07 8:19 a.m. Evacuation Order Lifted for Highway 67 Corridor

Residents living along the Highway 67 corridor from the Poway City limits to Maple View Street are now allowed to return home.

Evacuation Order Lifted for Areas of Wildcat Canyon

Areas in and around Wildcat Canyon Road south of the Barona Reservation are now open for repopulation.

10-26-07 8:09 a.m. Evacuation Order Lifted for Western Jamul

Residents from the western Jamul communities are allowed to return home. The area will be open to residents and IDs will be checked.

Residents will have access via Highway 94. Road closures will remain at Lyons Valley Road and the Skyline Truck Trail; Highway 94 at Honey Springs Road; and Highway 94 at Otay Lakes Road.

Evacuation Order Lifted for Areas of Valley Center The Rincon and San Pasqual Reservations and areas north of Lake Wohlford are now open to residents and businesses only.

The approximate area is represented by the following Thomas Brother Map Coordinates:

MP 1071: C-2 to C-7; D-1 to D-7; E-1 to E-7; F-1 to F-4

MP 1091: A-5 to A-7; B-2 to B-7; C-2 to C-7; D-1 to D-5; E-1 to E-4

MP 1110: G-1 to G-3; H-1 to H-3; J-1

MP 1111: A-1, A-2, B-1, C-1 The following areas will remain closed:

Paradise Mountain/Skyline Ranch

Palomar Mountain (Highway 76 corridor from the Pala area to Highway 79)

Pala Reservation

Pauma Reservation

La Jolla Reservation

MEDIA & PUBLIC RELATIONS

1600 PACIFIC HIGHWAY, ROOM 208 • SAN DIEGO, CA 92101





## COUNTY OF SAN DIEGO

Rancho Heights (Areas south of Lake Wohlford, including Bear Valley and Guejito Ranch areas)

10-26-07 4:15 a.m. Bottled water is available for Ramona residents at the Ramona Rodeo Grounds at

434 Aqua Lane . Water from the Ramona Municipal Water District is currently unsafe, and residents have been advised not to drink or use the water in their homes and businesses until further notified.

10-26-07 3:56 a.m. Residents at the Qualcomm Stadium shelter will be relocated to the Del Mar Fairgrounds around noon today, Oct. 26.

10-26-07 2:35 a.m. A Boil Water Order has been declared by the County Department of Environmental Health for Skyline Ranch Campground located at 17120 Skyline Truck Trail in Jamul , CA 91935 effective immediately.

10-26-07 2 a.m. Only 350 people remain at the shelter at Qualcomm Stadium and the City of San Diego is planning to close the shelter at noon today, Oct. 26.

10-25-07 7:46 p.m. CAL FIRE provided the following update. The Harris Fire is 84,000 acres and 20% contained. Cost to date \$5.4 million. There are 1,341 firefighters assigned and 12 firefighter injuries. There has been 97 homes , 2 commercial properties and 17 out buildings destroyed. Active structure protection continued in Lyons Valley. The fire spotted across the south-west arm of Barrett Lake. Approximately 500 more homes were ordered evacuated today. Re-entry for residents only was allowed today in the Thousand Trails, Potrero and Tecate neighborhoods. No change in acreage for the Witch Fire, but it is now 30% contained, with full containment expected on October 31st and full control on November 5th. Cost to date \$7 million, 1,061 homes, 30 commercial properties and 175 outbuildings, 239 vehicles have been destroyed. 62 homes, 10 commercial properties and 50 outbuilding have been damaged. There have been 22 injuries to firefighters, and 2 civilian fatalities. There are 2, 883 firefighters assigned. The Rice Fire is still 9,000 acres and now 40% contained, with full containment expected October 28th, and full control November 5th. Cost to date \$1,917,000. 3 firefighters have been injured, and there are 1,073 assigned. Fire activity generally limited to localized flare-ups. The cause was powerlines. The Poomacha Fire is 38,500 acres and 30% contained, with full containment expected October 29th. Cost to date \$1,619,000. 60



## COUNTY OF SAN DIEGO

homes and 19 outbuildings have been destroyed. There have been 12 injuries to firefighters and there are 1,406 assigned. Control line has been tied in to the Witch Fire. Some spotting across the line has occurred, but control line is holding. Mop up and patrolling is in progress within the flats, but the Pauma Reservation and Palomar Mtn. areas are still active. Fire has entered the Aqua Tibia Wilderness. Control operations are difficult within this area due to steep terrain, inaccessibility and lack of crew resources. Active structure protection in Mt. Palomar area. 450 structures threatened. A general assessment of structures lost is in progress.

10-25-07 7:30 p.m. Bottled Water Distribution for Ramona Residents.

The American Red Cross will be on hand at the Ramona Rodeo Grounds, 421 Aqua Lane, from 8 a.m. to 6 p.m. Friday through Sunday to distribute bottled water to Ramona Residents.

10-25-07 7:28 p.m. Evacuation orders lifted for Ramona, partially lifted for Fallbrook.

Fallbrook residents who live within the following boundaries will be allowed to return to their homes as of 7:00 p.m. today:

- West of Gird Road between Highway 76 and Reche Road
- West of Reche Road from Gird to Live Oak Park.
- West of Reche Road
- North on Live Oak Park from Reche Road to Alvarado
- West of Live Oak Park on Alvarado to Stage Coach
- North on Stage Coach to East Mission Road
- West on East Mission to the western boundary of Fallbrook

No access will be allowed East or West of these boundaries. Residents may check in on Gird Road at Highway 76 and Highway 76 at S. Mission. Only residents with identification will be allowed into the area. Although Fallbrook residents were evacuated via Camp Pendleton, they cannot return via Camp Pendleton. Ramona residents will be allowed to return to their homes as of 7:15 p.m. today, via the following routes of reentry only:

- Highway 67 from Poway
- Highway 78 from Julian

All returning residents may enter only under the premise that will not run any municipal water, nor drink any water. Bottled water is being delivered to the area. Please reference the attached "Do Not Drink" Notice.



## COUNTY OF SAN DIEGO

10-25-07 5:58 p.m. Boil Water Orders. The County of San Diego, Department of Environmental Health (DEH) has issued Boil Water Orders and Public Notifications for the following public water systems effective immediately:

- Dulzura Café, 17023 Highway 94, Dulzura, CA 91917
- Skyline Ranch Campground, 17120 Skyline Truck Trail, Jamul, CA 91935
- Potrero General Store, 25125 Highway 94, Potrero, CA 91963
- Set Free Ministries, 18985 Highway 94, Dulzura, CA 91917

Due to the fires these water systems lost pressure in the water distribution system. As a precaution, a Boil Water Order is being issued until laboratory results show the water is free from bacterial contamination. The Boil Water Order will remain in effect until the distribution system has been disinfected and samples confirm the absence of bacteria in the water supply

10-25-07 5:38 p.m. 2007 Wildfire Fatalities Update

Fourteen fire-related deaths of San Diego County residents have occurred during the 2007 Wildfires. This includes seven deaths directly related to the fires, three that occurred during evacuation activities and four that happened after the decedents were evacuated. The most recent fatalities included in these statistics are:

- Two sets of unidentified charred remains were reported earlier today. This update includes the positive identification of those two individuals, husband and wife who were found in the rubble of a completely destroyed house on Highland Valley Road in unincorporated Poway during the evening hours of October 24. Victoria Katherine Fox, a 55-year-old female, and John Christopher Bain, a 58-year-old male, were identified via dental records as burn victims.
- Four sets of unidentified charred remains were reported found today in the Potrero area. Medical Examiner's Office Investigators are currently en route; no further information known at this time.

10-25-07 5:17 p.m. The Emergency Alert System (EAS) has been activated. Mandatory evacuation of Lake Henshaw, Mesa Grande, and La Jolla Indian Reservation. The EAS message advises that "due to a fire from south and west, residents in the area

- west of Hellhole Canyon
- north of Palomar Mountain to Warner Springs
- south of Bear Valley and Rancho Santa Ysabel and
- east of Montezuma Valley



## COUNTY OF SAN DIEGO

are under a mandatory evacuation notice. Please take the following route Route 79 to S-2 to S-22 to Borrego High School."

10-25-07 4:24 p.m. Citizens residing on Otay Lakes Road to Thousand Trails may return to their homes. Citizens residing in the community of Tecate may return to their homes; the Tecate Border Crossing remains closed.

10-25-07 3:22 p.m. Correction: Lawson Valley and Carveacre Evacuation Shelters. It was previously reported that Lawson Valley and Carveacre evacuees could find shelter at Qualcomm Stadium; however, these residents should instead report to Del Mar Fairgrounds. Further Clarification:

Lawson Valley and Carveacre Evacuation Areas. Carveacres residents must evacuate in the areas:

North of Wilson Creek

South of Pearson Canyon

East of Kearchoffer Flat

West of Horsethief Canyon Lawson Valley residents must evacuate in the areas:

South of Loveland Reservoir

North of the Community of Lyons Valley

East of Beaver Hollow

West of Kearchoffer Flats

10-25-07 2:54 p.m. Evacuation order partially lifted for Valley Center. Valley Center residents and businesses may reenter the following areas of Valley Center (according to Thomas Brothers maps):

MP 1029: B-7, C-7, D-7, D-6, D-5, E-5, F-4, G-4, H-4, J-4

MP 1030: A-4, B-4, C-4, D-5, E-5, F-6, F-7, G-7, H-7

MP 1049: A-1, B-1

MP 1050: H-1, H-2, J-2, J-3, H-4, G-4, F-5, G-5, G-6, F-6

MP 1051: A-4, B-5, C-6, C-7, D-7

MP 1071: E-1, E-2, E-3, E-4, C-4, D-5, D-6, D-7

MP 1091: D-1, C-2 The following areas will remain closed: Paradise Mountain/Skyline Ranch;

Palomar Mountain; the Highway 76 corridor from the Pala area to Highway 79; the Rincon, Pala, La Jolla, Pauma and San Pasqual Reservations; the Lake Wohlford area. Updated road closure and opening information

Lake Wohlford Road will remain open.

Cole Grade Road south of McNalley Road will be opened.

MEDIA & PUBLIC RELATIONS

1600 PACIFIC HIGHWAY, ROOM 208 • SAN DIEGO, CA 92101



## COUNTY OF SAN DIEGO

Lilac Road south of McNalley Road will be opened.

Highway 76 from just east of Highway 15 to highway 79 will remain closed.

10-25-07 2:07 p.m. Mandatory evacuation ordered for Lawson Valley and Carveacre. The communities of Lawson Valley and Carveacre have been ordered to evacuate. Residents can take shelter at Qualcomm Stadium or Faith Chapel at 9400 Campo Road in Spring Valley.

10-25-07 1:12 p.m. Correction on Tecate border crossing. The point of entry will remain closed until further notice.

10-25-07 11:51 a.m. Rancho Santa Fe evacuation order partially lifted. Residents of Rancho Santa Fe can reenter their homes with the exception of the following:

Del Dios Highway

Community of Del Dios Reentry access will be limited to residents only on the following streets:

Las Colinas

El Mirador

La Valle Plateada

El Vuelo

Zumaque

El Sicomoro Street

10-25-07 11:12 a.m. Potrero residents will be allowed to reenter today at 12:00 pm.

Highway 94 will remain closed west of Potrero.

10-25-07 10:00 a.m. Evacuation Notice Lifted for Escondido.

All areas within the City of Escondido previously evacuated have been re-opened to residents.

Evacuation Notice Lifted for County's Portion of 4S Ranch

The County of San Diego has lifted the evacuation order its portion of 4S Ranch. All of 4S Ranch is now re-opened to residents.

10-25-07 9:38 a.m. CAL FIRE provides the following update: The Harris Fire is 81,000 and 10% contained. Full containment is estimated for October 31. Currently there are 93 engines, 16 crews, 4 helicopters (2 of which are helitankers) 3 airtankers, 2 dozers, 12 water tenders (1,611 firefighters). Fire behavior remains active in old and extremely dry fuels. The winds have returned to a normal



## COUNTY OF SAN DIEGO

diurnal flow (from the west). Major wind reversals in this area have caused firefighter fatalities during past incidents. There are heavy fuels and steep terrain on the northern edge of the fire. Active structure protection continues in Lyons Valley. The Witch Fire is 197,990 acres and 20% contained. There have been 22 injuries to firefighters and it up to \$5.3 million in suppression costs. Currently there 325 engines, 45 fire crews, 45 water tenders, 22 dozers (2,619 firefighters). Winds in the fire area are still variable with coastal influence returning to valleys as normal weather pattern. Warm, dry and unstable conditions still exist at the higher elevations and the eastern areas of the fire. The Rice Fire is 9,000 acres and 30% contained with full containment expected on the 28th. Cost to date for suppressing this fire is \$1,283,133. Currently there are 112 engines, 19 fire crews, 13 water tenders, 11 dozers (1,095 firefighters). Firefighters made good progress with perimeter control and structure protection. Evacuation orders still in effect for Fallbrook and outlying areas. The Poomacha Fire is 35,000 acres and 20% contained. Cost to date for suppressing this fire is \$950,000. There have been 12 injuries to firefighters. Currently we have 75 engines, 25 fire crews, 1 helicopter, 1 helitanker, 9 airtankers, 10 dozers, (859 firefighters). Firing operations were conducted but were hampered by wind shifts. Firing will continue today. Interior burning was most active within the eastern portion of the incident. Burning trees and rolling material continue to be a safety hazard to resources. Re-entry plans are being developed for displaced residents.

10-25-07 8:45 a.m. County opens Rancho San Diego Local Assistance Center.

To help affected residents recover from the wildfires, the County will open three Local Assistance Centers (LACs) in the unincorporated areas. The first of these will open at 9:00 am, at Cuyamaca College at 900 Rancho San Diego Parkway, El Cajon, 92109. Although portions of Rancho San Diego are still under evacuation orders, the area of Cuyamaca College is not. The opening of the LAC in Rancho San Diego does not mean that there is a blanket lifting of all Rancho San Diego evacuation orders; only the areas already announced for reentry are accessible, including the location of the Rancho San Diego LAC at Cuyamaca College. LAC hours are as follows, effective immediately:

Monday - Friday 8 a.m. to 7 p.m.

Saturday 8 a.m. to 5 p.m.

Sunday 9 a.m. to 2 p.m. A complete list of available resources at the LAC can be found at

[www.sdcountyrecovery.com](http://www.sdcountyrecovery.com).

The LACs in Fallbrook and Ramona will not be open until further notice. For more information about the LACs, residents should call 2-1-1.



## COUNTY OF SAN DIEGO

10-25-07 7:55 a.m. Evacuation Notice Lifted for Olive Hill Area of Fallbrook. The County of San Diego has lifted the evacuation order for parts of the Olive Hill area in Fallbrook. They include: All residents that have access to their homes from Highway 76 to Burma Road. IDs will be checked All other areas in Bonsall, south of Highway 76 are open and require no check-in.

10-24-07 11:18 p.m. On the Witch Fire, Escondido Police Dept. has advised CAL FIRE of reports of a flare up at the intersection of Via Valante and Purer Rd. TB1149G2.

Update from Jamul: Roads remain closed in the Jamul area and there are some hot spots around the Lyons Peak. Changing winds in this area are of concern.

### Proctor Valley

- Fire holding but potential to flare up in case of increased winds.

Deerhorn Valley/Honey Springs - Monitoring fire. If wind increases fire may move NE and could trigger evacuations.

E Lake Barrett - Hot spots remain, monitoring any movement NE into heavy brush.

Several strike teams of San Diego Fire crews working thru the night and fresh crews working tomorrow in the two closed areas in Rancho Bernardo; Westwood and Bernardo Trails. Red Cross shelter being established this evening at Harris Rincon Pavilion; 777 Harris Rincon Way, Valley Center, 92082. There are 400 reservation evacuees.

10-24-07 10:50 p.m. The American Red Cross has opened the following additional shelters: Mount Miguel High School at 8585 Blossom Lane in Spring Valley

- The Rock Church for special needs evacuees at 2277 Rosecrans Street in San Diego
- Poway Community Park at 13094 Civic Center Drive in Poway

10-24-07 7:30 p.m. CAL FIRE provided the following updates on fires.

### Harris Fire

75,000 acres



## COUNTY OF SAN DIEGO

10% contained

Full containment expected on the 28th and full control on Nov. 4th.

1,341 firefighters assigned and 7 injuries to firefighters.

Cost to date to fight the fires is \$3,400,000.

155 homes destroyed

250 homes damaged

2 commercial properties and 17 outbuildings destroyed.

The returning onshore flow has moved the fire to the northeast threatening structures along Highway 94 from Jamul to the east, Lyons Valley to the north. The regional communications equipment on Lyons Peak was damaged by fire, cutting off power and destroying the back-up generator. Crews installed a portable repeater to support fire communications. The fire progressed north in the Barrett Lake area, consuming old, heavy fuels.

### Witch Fire

196,240 acres

20% contained

No estimated containment or control, but little fire spread.

2,331 firefighters assigned to this fire

Cost to date to fight the fires is \$5 million

Fire progression has slowed to the west, southwest, and northwest due to improvement in weather and resources assigned to the fire. Conditions in these areas have improved to the point of evaluating the return of some residents. Winds in the fire area are still variable with coastal influence returning to valleys. Warm, dry and unstable conditions still exist at the higher elevations and the eastern areas of the fire. The Poomacha Fire continues to burn close to the north flank of the Witch Incident, they have NOT joined.

### Rice Fire

9,000 acres

20% contained

Full containment expected on the 28th, with full control expected November 5th

1,095 firefighters assigned

Cost to date to fight the fires is \$1,283,133





## Poomacha Fire

35,000 acres

10 percent contained

719 firefighters assigned.

12 injuries to firefighters.

Expansion of incident in a north easterly direction due to wind shifts. Fire increased in size due to extreme fire behavior, lack of resources and wind shifts. Perimeter control has been initiated and structure protection is still in place. Evacuation centers continue to be staffed and occupied.

Cost to date to fight the fires is \$750,000.

10-24-07 6:15 p.m. Hidden Meadows evacuation notice lifted. Evacuation notice for the community of Hidden Meadows has been lifted. Residents who have evacuated the area are allowed to return to their homes.

Mountain Meadows evacuation notice lifted. Evacuation notice for the community of Mountain Meadows has been lifted. Residents who have evacuated the area are allowed to return to their homes.

10-24-07 5:07 p.m. Evacuation Alert for Residents along Highway 94. Residents living along the Highway 94 corridor from Jamul to the east and to the Jamacha community to the west should prepare to evacuate. The returning onshore flow has moved the Harris Fire to the northeast threatening structures.

10-24-07 2:41 p.m. Evacuation Notices Lifted for Two Escondido Areas. Escondido officials are allowing residents to re-enter the Sonata and Sierra Linda neighborhoods. Residents will be required to show identification to re-enter the Sierra Linda area. All other evacuated areas in Escondido are still closed.

Escondido residents should call (760) 839-6262 for reentry information.

10-24-07 2:01 p.m. Livestock camp in El Cajon needs buckets and sleep supplies. The horse and livestock shelter area that has been established at the corner of Cuyamaca Street and Weld Boulevard in El Cajon requests donations to assist in its operation. This pasture area is comfortable for the larger animals, but there is a need for large buckets to contain food and water. There is also



## COUNTY OF SAN DIEGO

a need for cots, pop-up tents and sleeping bags at this location for those families staying with their animals.

El Cajon Animal Shelter accepting pets. The El Cajon Animal Shelter at 1275 N. Marshall can still take in domestic animals and small livestock for boarding from pet owners who have been evacuated. For more information, call (619) 441-1580.

10-24-07 12:25 p.m. Local Assistance Centers-Not Open Yet. The County of San Diego is preparing to open three Local Assistance Centers (LAC) in unincorporated areas of the County affected by the fires. They will be in the communities of Fallbrook, Ramona, and Rancho San Diego. They are not yet open as these areas are still under mandatory evacuation orders.

LAC opening dates, locations and hours of operation will be announced once areas are deemed safe for reentry.

10-24-07 11:39 City of Poway partially reopened. City of Poway assessment teams have determined that the entire city except for the High Valley area is safe for residents to return to their homes.

10-24-07 10:54 a.m. Escondido re-entry hotline. Evacuated Escondido residents only can call (760) 839-6262 to find out if they are now being allowed to return to their homes.

10-24-07 10:01 a.m. President Bush has declared a federal disaster in San Diego County. The President's signature triggers the availability of Federal aid to supplement local recovery efforts. Assistance can include grants for temporary housing and home repairs, low-cost loans to cover uninsured property losses, and other programs to help individuals and business owners recover from the effects of the disaster.

FEMA said that those who sustained losses can begin applying for assistance tomorrow by registering online at <http://www.fema.gov> or by calling 1-800-621-FEMA (3362) or 1-800-462-7585 (TTY) for the hearing and speech impaired. The toll-free telephone numbers will operate from 8 a.m. to 6 p.m. PST Monday through Sunday.

10-24-07 9:30 a.m. Fires update from CAL FIRE: The Harris Fire is now 73,000 acres, suppression costs are at \$2.5 million. There have been 7 injuries. 759 Firefighters assigned. The fire was held at the edge of Chula Vista and Spring Valley. The returning onshore flow has moved the fire to the



## COUNTY OF SAN DIEGO

northeast threatening structures along Highway 94 from Jamul to the east and Jamacha to the west. Lyons Peak was burned and the fire jumped perimeter control lines in the area.

The Witch Fire is still 196,420 acres, but now 10% contained, suppression costs are at \$2.3 million. There have been 12 injuries to firefighters. There are 1,841 firefighters assigned to this fire. The fire will continue to move east threatening the communities of Julian and Pine Hills. Fire has potential to move north and join with the Poomacha Fire. Fire spread to west and southwest is still a potential. There have been 645 structures destroyed - 250 damaged. 100 commercial properties destroyed - 75 destroyed. 50 outbuildings destroyed - 50 damaged.

The Rice Fire is 7,500 acres and 15% contained. 1 firefighter has been injured. Cost to date to fight the fire is \$585,000. Red Flag conditions during daylight hours. De Luz and Fallbrook are evacuated. Over 400 structures in De Luz and Northern Fallbrook area threatened.

The Poomacha Fire 25,000 and 0% contained. 659 firefighters assigned to this fire. Cost to fight this fire is \$350,000. Fire increased in size due to extreme fire behavior, lack of resources and high winds. Some resources are beginning to arrive, but no significant perimeter control has been initiated due to structure protection priorities.

CAL FIRE does not expect to have another significant update until after 6 pm.

10-24-07 9:18 a.m. Evacuations Update. Mandatory and voluntary evacuation notices have been lifted for the following cities or communities:

October 23, 2007

Carlsbad-ONLY Voluntary Evacuation Notice for Portion of City Lifted

Chula Vista-All Evacuation Notices Lifted

Del Mar-All Evacuation Notices Lifted

Encinitas-Elivenhein Area Only-Evacuation Notice Lifted; Open to residents only; ID's checked

Solana Beach-All Evacuation Notices Lifted

October 24, 2007

Escondido-Evaluating

Poway-Evaluating

San Diego-Del Mar Highlands and Carmel Valley--Evacuation Notices Lifted (Only for South of



## COUNTY OF SAN DIEGO

City limits, West of Rancho Santa Fe Farms, East of Interstate 5, North of Highway 56)

San Diego-Otay Mesa-All Evacuation Notices Lifted

San Diego-Rancho Bernardo-Evaluating

10-24-07 8:26 a.m. 2007 Wildfire Fatalities Update. Six fire-related deaths of San Diego County residents have occurred during the 2007 Wildfires. This includes one death directly related to the fires, two that occurred during evacuation activities and three that happened after the decedents were evacuated.

The most recent fatality included in these statistics is: James Sharp, 64, a resident of the La Costa Glen nursing home in Carlsbad who was admitted to Alvarado Hospital upon evacuation. His condition rapidly declined and he did not recover, dying on October 23. (Cause of death is pending.)

Previously reported fatalities are as follows:

Thomas James Varshock, 52, of Tecate, died on his property during the Harris Fire on Sunday, Oct. 21.

Alla M. Robinson, 91, was an in-patient at Fallbrook Hospital who died of natural causes while in the process of being evacuated to Tri-City Medical Center on Monday, Oct. 22.

Suzanne Elizabeth Casey, 62, died from a fall at a restaurant on Monday, Oct. 22 after being evacuated from her Rancho Bernardo home.

Donald Swarting, 92, died of natural causes at the Mount Miguel Covenant Village Nursing Home in Spring Valley on Tuesday, Oct. 23 after becoming unresponsive during the evacuation process.

June E. Brewer, 95, died of natural causes in her room at an Old Town hotel on Tuesday, Oct. 23, after being evacuated from her Rancho Bernardo home.

10-24-07 5:26 a.m. BIRCH HILL EVACUATIONS:

Mandatory evacuation Reverse 9-1-1 calls have been sent to 167 residents in Birch Hill near Palomar Mountain. Residents should go to the Temecula Community Recreation Center at 30875 Rancho Vista Road in Temecula



## COUNTY OF SAN DIEGO

10-24-07 3:51 a.m. DE LUZ EVACUATIONS: The Sheriff's Department has activated reverse 9-1-1 calls to alert the residents of De Luz of a mandatory evacuation. De Luz is north of Camp Pendleton. Residents are advised to evacuate on De Luz / Murrieta Road north or Sandia Creek Drive north toward Riverside County.

CAMP PENDLETON FIRE UPDATE: The Horno Fire at Camp Pendleton has burned 6000 acres and is moving north and west between Las Pulgas Road and the Border Patrol Checkpoint. Camp Pendleton requested the closure of train service, and Metrolink has confirmed that service is shut down from Oceanside to San Clemente.

10-24-07 1:55 a.m. EXPANDED I-5 CLOSURE

: The California Highway Patrol has expanded the Interstate 5 closure. The freeway is closed in both directions between Highway 76 and Cristianitos Road due to the fire at Camp Pendleton. Traffic at the south end of the closure is being diverted to Camino del Rey to Old Highway 395 to Interstate 15.

10-24-07, 1 a.m. I-5 Closure: California Highway Patrol reports that Interstate 5 is closed in both directions between Las Pulgas Road and Basilone Road in the area of Camp Pendleton due to heavy smoke.

10-24-07, 12:28 a.m. FALLBROOK EVACUATIONS : Reverse 9-1-1 was used to issue mandatory evacuations in the communities of Bonsall, San Luis Rey Heights and Winterwarm on the north side of Highway 76. Residents should use Highway 76 heading west away from the fires. SHELTER UPDATE IN OCEANSIDE: The Oceanside Police Department reports that the shelter at El Camino High School is full and evacuees should go to MiraCosta College at 1 Barnard Drive off of College Avenue, north of Highway 78 in Oceanside.

10-23-07 8:54 p.m. Boil water order issued. Although Ramona is under mandatory evacuation orders, those residents remaining in the city are being advised to boil tap water or use bottled water for drinking and cooking until further notice. Tap water pressure should be restored around 1 a.m.

10-23-07, 7:38 p.m. According to CAL FIRE, the Harris Fire is 72,000 acres and 10% contained, full containment is expected October 31st. The cost to date to fight the fire is \$2,100,000. One additional civilian suffered burns and was treated and transported to a local hospital. A total of 21



## COUNTY OF SAN DIEGO

civilians have been injured and one killed by this fire. There are 4500 people are or have been threatened and evacuated. Additional evacuations are being ordered. An estimated 200 to 500 homes have been destroyed or damaged. There are 1500 homes are or have been threatened. An additional 452 people are being assigned to the incident and are either in route or were with the initial attack and have not been released from the line to check in. The total personnel count is 1211.

The Witch Fire is 196,420 acres and 1 percent contained. Twelve firefighters have been injured on this fire and currently there are 1,492 firefighters assigned to this incident. The fire will continue to move west and southwest, threatening the communities of San Diego, Poway, Ramona, Escondido, Lakeside, Valley Center, San Marcos and Rancho Santa Fe. The fire has spread to the east threatening the communities of Julian and Pine Hills. Current efforts are working towards a more accurate fire perimeter size.

The Rice fire is 7,500 acres and 10% contained with full containment expected on October 28th, with full control expected Nov. 5th. One firefighter has been injured. At least 206 residences have been destroyed, two commercial properties, 40 outbuildings, 91 vehicles and 20,000 Avocado trees. There is active burning in the Rainbow Glen area and an evacuation of Deluz Canyon area.

The Poomacha Fire is 20,000 acres and 0% contained, there have been 10 injuries to firefighters, 218 firefighters are assigned to this incident. Fifty homes have been destroyed. The fire increased in size substantially due to extreme fire behavior, lack of resources and high winds. Some resources are beginning to arrive at the incident, but no significant perimeter control has been initiated due to structure protection priorities.

10-23-07 7:30 p.m. The San Diego County Board of Supervisors' regularly scheduled meeting will take place tomorrow, Wednesday October 24 at 9:00 a.m. Agenda items from today's cancelled meeting will be carried over to tomorrow's agenda.

10-23-07 6:44 p.m. Mandatory Evacuation For Eagle Peak and Cuyamaca. A mandatory evacuation notice has been issued for Cuyamaca, just north of State Route 79 and Eagle Peak in the Engineers Road area.

10-23-07 6:21 p.m. Residents are advised that Granite Hills High School in El Cajon is NOT a shelter location or donation drop-off site.



## COUNTY OF SAN DIEGO

Horse shelter update. The Tijuana Valley Equestrian Association is helping to place horses in private ranches in the Tijuana River Valley area. They have placed 200 horses and have room for more. For information, evacuees with horses can contact John Gabaldon, the Chairman of the Tijuana Valley Equestrian Association, at 619-920-1282 and he will provide directions to the location of the corrals.

County Library update. Due to changing fire conditions, the Del Mar branch of the County Library will be open tomorrow, despite previous reports that it would be closed.

10-23-07 6:01 p.m. All Del Mar evacuation notices lifted. The City of Del Mar has lifted all evacuation notices within the city. Residents who evacuated are allowed to return to their homes.

10-23-07 5:55 p.m. Alert Issued for Julian. Residents of Julian are being advised to prepare to evacuate.

Evacuation Order Lifted for City of Carlsbad. Carlsbad has lifted the voluntary evacuation advisory for the City of Carlsbad, south of Palomar Airport road. There are no mandatory or voluntary evacuation orders in effect for the City of Carlsbad.

10-23-07 5:07 p.m. CORRECTION on Evacuation of Some Areas of Rancho San Diego. In Rancho San Diego, the following areas are under mandatory evacuation:

From Del Rio Road EAST to Steele Canyon Road.

From Fury Lane SOUTH to Millar Ranch Road and Millar Anita Road.

Residents should evacuate to Qualcomm Stadium.

10-23-07 4:17 p.m. All Chula Vista evacuation notices lifted. The City of Chula Vista has lifted all evacuation notices within the city. Residents who evacuated are allowed to return to their homes.

All Solana Beach evacuation notices lifted. The City of Solana Beach has lifted all evacuation notices within the city. Residents who evacuated are allowed to return to their homes.

10-23-07 3:33 p.m. Large Animal Shelter. San Diego County Animal Services has opened a shelter for large animals near Gillespie Field, 1960 Joe Crosson Dr. in El Cajon. Directions: Take East on Hwy 67; exit at Bradley Avenue and turn left; right on Cuyamaca; and left on Weld Blvd. The animal evacuation shelter will be on the right hand side of the road.



## COUNTY OF SAN DIEGO

10-23-07 3:26 p.m. Mandatory Evacuation Ramona to Lakeside. A mandatory evacuation notice has been issued for the Hwy 67 Corridor from Ramona to Lakeside.

Evacuation Order North Jamul. A mandatory evacuation has been ordered for an area bordered by the Sweetwater River on the north, Lawson Creek on the East and Lyons Valley Road on the south including the community of North Jamul. Evacuees are advised to go to Qualcomm Stadium.

Shelter for horses. Rohr Park in Chula Vista has plenty of room for horses. It is a large community ring in Rohr Park, located at the intersection of 4600 block of Sweetwater Road, near Winnetka Dr. They can handle 50-60 horses and have plenty of water. Evacuees with horses can call Dave Braithwaite. 619-203-1640.

10-23-07 2:17 p.m. Evacuation of Rancho San Diego. Reverse 9-1-1 is being used to issue mandatory evacuation orders to Rancho San Diego households. Residents should evacuate to Qualcomm Stadium.

Evacuation of Pine Hills Road and Wynola Road in Julian. Reverse 9-1-1 is being used to issue evacuation orders to residents of Pine Hills Road and Wynola Road in Julian. Residents should evacuate to Borrego Springs High School.

10-23-07 1:20 p.m. A mandatory evacuation notice has been issued for people in the La Jolla Reservation area. People should go to Borrego Springs. People SHOULD NOT go to the Palomar Mountain Evacuation center. This fire, which was spotted across Highway 76 and established on the south face of Palomar Mountain at the base of Palomar Mountain, is now being referred to as the "POOMACHO FIRE" by CalFire. It is currently 20,000+ acres.

10-23-07 1:13 p.m. San Diego Superior Court closure update. All San Diego Superior Court facilities will be closed to the public until Monday, October 29th. All court employees who are able to work are asked to report to their workplace starting Thursday, October 25th.

10-23-07 1:03 p.m. Evacuations in Harmony Grove. Reverse 9-1-1 is being used to issue evacuation orders to 1,095 Harmony Grove households

10-23-07 12:28 p.m. City of Poway assessment teams have determined that the following evacuated areas are safe for residents to return to their homes: South of Twin Peaks Road East of Community Road to Tierra Bonita Road on the north and Donard Drive on the south; West of Ipava Drive; West and north of Poway Road.





## COUNTY OF SAN DIEGO

Residents need to call (858) 513-2800 before attempting to return to their homes in the re-opened areas, although no one living near Espola Road will be able to return to their home at this time. A map of the reopened area and a list of the reopened addresses are available at [poway.org](http://poway.org).

10-23-07 11:49 a.m. Evacuation of Palomar Mountain and Valley Center. Reverse 9-1-1 is being used to issue evacuation orders to 924 Palomar Mountain and Valley Center households. Residents are advised to take shelter at the Palomar Observatory, 35899 Canfield Road, Palomar Mountain 92060.

Escondido evacuation site update. Mission Hills High School is able to take an additional 200 evacuees at 1 Mission Hills Court, San Marcos, 92069. Calvin Christian High School is able to take an additional 100 evacuees at 1868 N. Broadway, Escondido, 92026.

10-23-07 11:21 a.m. Overall evacuation update. A total of 349,915 Reverse 9-1-1 and AlertSanDiego phone calls have been issued between the County of San Diego and the City of San Diego, informing residents of both advisory and mandatory evacuation orders. Based on 2000 census data, approximately 513,000 people in San Diego County have received a mandatory evacuation order and an additional 12,000 people have been advised to leave their homes.

10-23-07 10:57 a.m. Mandatory evacuation of De Luz area (Fallbrook). Reverse 9-1-1 is being used to issue mandatory evacuation orders to the Fallbrook area. The area borders are the northern portion of Camp Pendleton on the south, the Riverside County border on the north and includes the community of Rainbow on the east.

Mandatory evacuation of Chula Vista. The police and fire departments are starting mandatory evacuations in the area of Paseo Los Gatos & Paseo Vera Cruz

Mandatory evacuation of Rancho Bernardo. The mandatory evacuation of Rancho Bernardo remains in effect. If residents of that area have an URGENT need to retrieve medications, they may be allowed to do so with an escort from a San Diego Police Department Officer. This is not for retrieving personal items. Residents should see an officer at one of the various traffic posts in the area if they require an escort.

10-23-07 10:26 a.m. Mandatory evacuation of Fairbanks Ranch. Reverse 9-1-1 is being used to issue mandatory evacuation orders to 1,197 Fairbanks Ranch households. Residents can take



## COUNTY OF SAN DIEGO

shelter in the Encinitas Senior Center at 1140 Oakcrest Park Drive in Encinitas, 92024, and Carlsbad High School at 3557 Lancer Way in Carlsbad, 92008.

10-23-07 10:01 a.m. South Bay evacuees can take shelter in the Casa Familiar Civic and Recreational Center at 212 East Park Avenue in San Ysidro, 92173. Casa Familiar, a non-profit community service organization, is able to house 400 evacuees and has bilingual volunteers ready to assist both English- and Spanish-speaking evacuees. For more information, call (619) 428-1115.

Qualcomm Stadium still has space available for additional evacuees.

10-23-07 9:12 a.m. Del Mar Evacuations. A mandatory evacuation is ordered for the following areas within the City of Del Mar; All areas east of Crest Road; San Dieguito Road; Oribia Road; Avenida Primavera (along Crest Road); Serpentine Drive; Gatun Street; Balboa Avenue; Zapo Street

Other areas of the city have not been issued a mandatory evacuation order. However, it is strongly suggested that all residents pack necessary belongings and be prepared to evacuate if a mandatory order is issued. Del Mar residents who are unable to self-evacuate should call 858-704-3694.

Solana Beach Evacuations: A voluntary evacuation is strongly recommended for the following areas within the City of Solana Beach: All areas east of Interstate 5 (I-5); Areas along the north border of the city, between I-5 and Highway 101

10-23-07 9:30 a.m. All areas west of the active fires in San Diego County will be impacted by the smoke. Air quality will be the worst in and around the fires and will also be very poor downwind of the fires. The air quality levels of particulate pollution in these areas will be in the unhealthy to hazardous range. In areas that are not directly downwind of the fires, air quality levels will range from moderate to unhealthy. People living or working in these areas should take caution and attempt to protect themselves as much as possible. Air quality will be significantly better in areas east of the fires, with levels ranging from good to moderate.

10-23-07 9:13 a.m. Fiesta Island has room for horses accompanied by their owners. No corrals are available at this time, but the San Diego County Department of Animal Services has made food and water available for the animals. Owners wishing to utilize this safe location must be prepared to stay with their horses.



## COUNTY OF SAN DIEGO

10-23-07 9:04 a.m. Three clinics have opened their doors this morning to walk-in patients, with no appointment necessary. They are accepting all patients, and those who do not have medical insurance will pay on a sliding scale. All clinics are open 8 a.m. to 5 p.m. and are advising those seeking treatment to come in as early as possible to avoid a backup of services later in the day. The clinics and their locations:

Linda Vista Health Care Center, 6973 Linda Vista Road, San Diego, CA. 92111. (858) 279-0925.

MID-CITY COMMUNITY CLINIC ADULTS, 4290 Polk Avenue, San Diego, CA. 92105 (619) 563-0250.

MID-CITY COMMUNITY CLINIC PEDIATRICS, 4305 University Avenue, San Diego, CA. 92105 (619) 280-2058.

10-23-07 5:13 a.m. La Jolla Reservation Fire: According to CALFIRE, a new fire is burning in the area of the La Jolla Indian Reservation. The fire was reported at 4:10 a.m. Several structures are burning. At least 150 acres involved. The reservation has been closed, and people are being evacuated to the Palomar Observatory. CALFIRE and U.S. Forest Service crews are battling the blaze.

10-23-07, 4:29 a.m. Due to the county's wildfires, all San Diego, Escondido, Escondido, Poway and Ramona school district schools will be closed today, along with San Diego State University, UC San Diego and the University of San Diego. Grossmont College, Cuyamaca Colleges, the Thomas Jefferson School of Law and University of Phoenix Learning Centers in downtown San Diego, Chula Vista, Kearny Mesa and San Marcos will also be closed.

UCSD hospitals and healthcare clinics will be open, officials said. Parents of San Diego Unified School District students can call (619) 725-8140 with questions.

10-23-07 3:12 a.m. Mandatory reverse 911 calls have been issued for North Jamul and Indian Springs. The fire is located near Hwy 94. The evacuation center for this area is Qualcomm Stadium. Reverse 911 calls have been made to 1,549 residents.

10-23-07 3:04 a.m. The Sheriff's Dept. is reporting that in Fallbrook the fire is moving east towards De Luz Rd. and fire crews continue to evacuate homes ahead of the fire.



## COUNTY OF SAN DIEGO

10-23-07, 2:45 a.m. Reverse 911 calls are being sent out at the request of Lakeside Fire for all of Wildcat Canyon and Muth Valley south to Willow Road. Evacuations are mandatory and there are 3,780 calls being sent out. Evacuees are being directed to Santana High School.

10-23-07, 1:57 a.m. CHP says there is a fire at 3-mile marker of Wildcat Canyon Road . They are describing the fire as 300 yards wide and the "whole side of mountain." Units on scene right now. Also, there are reports of fire coming down the mountain into San Miguel area. Flare-ups at the following locations:

Honey Springs and Deerhorn Valley, Dulzura,  
Aqua Tivia and fire crews are evacuating Point Parkway Map 1291, F2

10-22-07, 8:36 p.m. **WITCH FIRE:** The latest update from CALFIRE reports the fire is now 145,000 acres and zero percent contained. The cause is under investigation.

- 600 structures have been destroyed (500 residences, 50 outbuildings, 100 commercial properties)
- 300 structures have been damaged (250 residences, 75 commercial properties and 50 outbuildings)
- Seven injuries to firefighters; one civilian injury

The fire is threatening the communities of San Diego , Poway, Ramona, Escondido , Lakeside, Valley Center , San Marcos , Rancho Santa Fe. Currently, about 625 firefighters are battling the blaze using 89 engines, nine fire crews, ten dozers and two water tenders.

### **HARRIS FIRE:**

The Harris Fire has now burned 22,000 acres and is five percent contained. Some civilians have chosen not to evacuate and have created rescue problems as the fire impacts their community.

- Five firefighters injured; one civilian fatality, six civilians injured
- The cost to date to fight this fire is \$1,300,000

The fire is threatening the communities of Potrero, Barrett Junction, Barrett Lake area, Engineer Springs, Dulzura, Deerhorn Valley , Lawson Valley , Jamul, Lyons Valley area and Otay Mountain ,



## COUNTY OF SAN DIEGO

and extreme fire conditions are making conditions difficult. No additional updates on the other fires are available at this time.

10-22-07 5:02 p.m. CAL FIRE update: The Harris Fire is well over 20,000 acres. Mapping and accuracy of acres is difficult due to rapid rate of fire spread. There is 0% containment and the fire's spread is moving westerly towards Otay Lake. Firefighters are focusing all efforts on protection of life, property, and firefighter safety. SDGE's Southwest major transmission line remains shut down.

The Witch Fire is 12,000 acres. There is a mandatory evacuation in Scripps Ranch. Fifty homes destroyed in Poway, 70 homes destroyed in Escondido, 6 homes destroyed in Rancho Santa Fe, an unknown number of structures destroyed in Rancho Bernardo. The fire is spreading in a west and south direction. The fire has crossed I-15 at Lake Hodges heading southwest to the communities of Carmel Mountain Ranch, Mira Mesa, and 4-S Ranch and south toward Peutz Valley, Harbison Canyon, the western part of Alpine. The head of the fire is burning in the same path as the Cedar Fire in 2003.

ALL Airtankers and helicopters are currently flying including the DC-10 supertanker from CAL FIRE. Citizens along the fire's edge are requested to stay away from any area that has helicopters or airtankers dropping retardant or water. These aircraft are trying to protect structures and have to be very cautious when civilians are on the ground nearby.

Damage Assessment Teams have been ordered. We should get better numbers on number of homes damaged or destroyed once they are deployed.

10-22-07 3:38 p.m. Mandatory partial evacuations of Escondido. Residents in southwest Escondido from Via Rancho Parkway north to Hamilton Lane and west to Valley Parkway, including the Summercreek subdivision, must evacuate. Residents in northeast Escondido in the Mountain View area north to Citrus Avenue up to Bear Valley Parkway and continuing up to Lake Wohlford Road, including the Hidden Trails area, must evacuate. Evacuees leaving the city can take shelter at Mission Hills Church at 400 Mission Hills Court in San Marcos. Evacuees are advised that all major westbound city streets are open west of I-15 at this point. Highway 78 westbound is open from Broadway, with all westbound lanes open until at least Emerald Drive. Residents must take into account that I-15 is closed northbound and southbound from Highway 78 to Highway 56.

Power outages: As of 3:00 pm, all power affected by an earlier outage has been restored. The outages, which had occurred at about 2:00 pm, had affected approximately 34,766 San Diego Gas & Electric (SDG&E) customers in 43 communities. Again, all power has been restored by SDG&E.

10-22-07 2:50 p.m. A new evacuation center has been opened in Orange County for people leaving Fallbrook. It is at El Toro High School, 25255 Toledo Way, Lake Forest, 92630, Ca.

Military evacuations: Evacuation centers have been set up for military and Department of Defense personnel on Naval Base San Diego at the Admiral Prout Field House, as well as Naval Base Coronado. Families with pets are encouraged to report to the Admiral Prout Field House.



## COUNTY OF SAN DIEGO

The Murphy Canyon Chapel is operating as a family information center. The chapel can be reached at 619-556-0603. Military families can call 619-556-9399 for more information.

Chula Vista shelter: Chula Vista residents complying with the voluntary evacuation order are advised to take shelter at Chula Vista High School at 820 4th Avenue.

10-22-07 2:36 p.m. CAL FIRE reports The Rice Fire in Rice Canyon, North San Diego County has crossed I-15 and Hwy 395. Numerous structures have been destroyed in Fallbrook. Evacuations are in progress in Fallbrook. Mandatory evacuations in South Fallbrook. It is currently 300 acres and 0% contained. 40-mph winds hampering suppression efforts This fire started at 4:16 this morning and the cause is under investigation.

10-22-07 2:11 p.m. Mandatory evacuations have been ordered for Scripps Ranch south of Scripps Parkway, north of MCAS Miramar, west of Hwy 67 and east of Interstate 15.

10-22-07 2:03 p.m. Mandatory partial evacuation of Fallbrook. The EAS message advises "all residents of Fallbrook, north of Highway 76 and west of Interstate 15 to evacuate the community. Evacuees should leave through Pendleton Gate at Ammunition Road and go through Marine Corps Base-Camp Pendleton to Interstate 5 North to San Clemente State Park."

A second EAS message has been issued to City of Chula Vista residents. The City of Chula Vista has requested residents who live in the following areas to voluntarily evacuate: Rolling Hills, San Miguel, East Lake Woods, Bella Lago. This is precautionary and is suggested due to unpredictable fire predictions.

10-22-07 1:20 p.m. The County Board of Education reports all San Diego County public schools will be closed Tuesday.

The University of California-San Diego campus will be closed Tuesday, October 23.

The San Diego County Board of Supervisors' regular meeting will be cancelled Tuesday, October 23. Agenda items will be carried over to the next scheduled meeting on Wednesday, October 24.

10-22-07 12:47 p.m. Mandatory evacuations in Fallbrook and Valley Center.

Evacuations are beginning on the eastern half of Fallbrook; from Interstate 15 east to Live Oak Park Road, to Gird Road, and East Mission Road to the north and San Luis Rey River to the south.

Evacuations are beginning in a large area of Valley Center, near the Bear Valley area. Valley Center High School is the evacuation center. Residents in Valley Center should pay close attention to news reports because of the serious fire threats.

10-22-07 12:21 p.m. Mandatory evacuations have been ordered in Poway from Rattlesnake Creek to the south, Midland Road to the west, the San Diego Aqueduct to the east, and Lake Poway Road to the north.



## COUNTY OF SAN DIEGO

Evacuation points are being established at Mount Carmel High School at 9550 Carmel Mountain Road and Poway Community Park at 13094 Civic Center Drive.

All residents who wish to volunteer their time are advised to call Volunteer San Diego at (858) 636-4131 or sign up to volunteer online at [www.VolunteerSanDiego.org](http://www.VolunteerSanDiego.org).

All residents who wish to donate emergency supplies and personal necessities are advised to call Goodwill Industries at (888) 446-6394 to find their local Goodwill drop-off site.

CAL FIRE reports: The Harris Fire is 20,000 acres and 5 percent contained. They are currently mapping the fire. Aircraft is periodically grounded due to high winds and visibility. The Southwest Powerline was shut off yesterday and to remain shut for unknown duration of time. San Diego County Sheriff and U. S. Border Patrol are handling immigrant issues including the rescuing, medical treatment, and identification of individuals. Otay Lakes Road is next fire decision making point for impact to San Diego City and Chula Vista. Multiple structures have been destroyed. There are 55 engines, 4 bulldozers, 9 fire crews, 6 helicopters, 5 airtankers (assigned), 6 water tenders (400 firefighters). The cause is still under investigation.

The Witch Fire is 10,000 acres, 0% contained. The fire is still spread westerly. Currently there is 28 engines, 1 dozer, 14 fire crews, 2 water tenders, 18 overhead (369 firefighters). Multiple structures have been destroyed. There have been no injuries to firefighters and one injury to a civilian. Communities threatened: Highland Valley, City of San Diego/Rancho Bernardo, City of Escondido, City of Lakeside, Barona Indian Reservation, City of Poway, Wild Animal Park, Mt. Woodson, Muth Valley. Wind driven fire with spotting up to 1/2 mile. Rapid fire spread burning down hill, down canyon. The fire is burning primarily in unburned fuel between the 2003 Paradise and Cedar Fires.

The McCoy Fire is a U.S. Forest Service fire it is at Boulder Creek and Eagle Peak. It is 400 acres and 5% contain. They are looking at full containment on October 23rd. One structure has been destroyed. Currently they have 5 engines, and 3 overhead which is about 30 firefighters. The cause is under investigation.

The Rice Fire is 300 acres 0 percent contained. The location is in Rice Canyon in the northern part of San Diego County. The fire started on October 22 at 4:16 am. 250 structures are threatened and 1 has been destroyed. No mandatory evacuations at this time. The cause is under investigation. Firefighters are attempting to keep the fire in the area of Rice Canyon to east, I-15 to the west, Rainbow Heights to north and Hwy 76 to South. The fire is currently burning into agricultural areas.

10-22-07 10:54 a.m. Interstate 15 update: It was reported earlier that Interstate 15 would reopen but Caltrans is now requesting that Interstate 15 be closed again because of fire threats to wooden structures along the freeway.

10-22-07 10:38 a.m. Mandatory evacuations have been ordered for Rancho Santa Fe, portions of Leucadia, as well as the Olivenhain Dam area. Mandatory evacuations have also been ordered for Lakeside at 13100 Willow Rd.



## COUNTY OF SAN DIEGO

The Del Mar Fairgrounds are open and ready to receive evacuees. Evacuation points have been established at San Marcos High School at 1615 W. San Marcos Blvd. and Poway Civic Center at 13325 Civic Center Drive. Mira Mesa High School is now closed as it has reached capacity.

Emergency officials are reminding residents to limit cell phone calls and use major highways for emergencies only. 10-22-07 9:23 a.m.

Mandatory evacuations have been ordered for Escondido in the Bear Valley/78 area.

Evacuation points have been established at San Marcos High School at 1615 W. San Marcos Blvd. and Poway Civic Center at 13325 Civic Center Drive.

Mandatory evacuations have also been ordered for the Harris Fire near Honey Springs Road and Lyons Valley Road and all areas to the east toward Cleveland National Forest.

Emergency officials are reminding residents to limit cell phone calls and use major highways for emergencies only.

10-22-07 8:45 a.m. Interstate 15 has been reopened by the CHP in both directions. The exception is to the offramps between Lake Hodges and Mercy Road. The offramps only will remain closed.

Pomerado Hospital is being evacuated, along with nursing homes on Monte Vista Rd. Ten ambulances and school buses are being used for the evacuations.

10-22-07 8:27 a.m. Evacuation update:

Coronado Hills Fire (in San Marcos): Notifications made to 1,000 residents in the communities of Coronado Hills and Discovery Hills in San Marcos and to Attebury Rd. and Deadwood Rd. They were evacuated to Escondido High School.

Mission (Fallbrook) Fire: Notifications made to Rainbow Area residents (I-15 on west, Rainbow Valley on the north, Pala Temecula on the East and Pala Rd. on the south) instructing residents to evacuate to the west.

Witch Fire: Evacuation notices have gone out to Elfin Forest Recreational Reserve; Del Dios; Lake Hodges; in Poway at Espola Rd., Old Coach Rd., Heritage Rd. and Stage Coach Rd. Reverse 911 notification has been made for Poway in the area bordered by Pomerado on the west, Twin Peaks on the south and Espola on the north and east. Poway has established an evacuation center at Poway Civic Center.

Harris Fire: Notifications have been made to residents of Mother Grundy Truck Trail and Deer Horn Valley. They were evacuated to Steele Canyon High School. Future evacuees will be directed to Santana High School in Santee. Mandatory evacuation in progress for Coyote Holler. They were evacuated East to Campo. Mandatory evacuation notices sent for areas north of Lake Wohlford.

MEDIA & PUBLIC RELATIONS

1600 PACIFIC HIGHWAY, ROOM 208 • SAN DIEGO, CA 92101





## COUNTY OF SAN DIEGO

10-22-07 7:36 a.m. Advisory evacuations have been issued for Poway in the areas bordered by Pomerado on the west, Espola on the north and east, Twin Peaks on the south.

Evacuation points have been established at San Marcos High School at 1615 W. San Marcos Blvd. and Poway Civic Center at 13325 Civic Center Drive. Poway High School is closed to evacuees.

The San Marcos Office of the Treasurer Tax Collector and Assessor Recorder is closed today.

Additional School Closures: California College is closed for today. 10-22-07 7:07 a.m. Emergency officials are urging people to avoid using major highways within the county today. The roadways need to remain clear for evacuations.

10-22-07 4:15 a.m. The City of Poway has declared a local emergency and activated their Emergency Operations Center . The Witch fire has expanded to the North East section of the City. All residents east of Espola Road From Lake Poway Road through Valle Verde Road have been asked to evacuate immediately. This includes the High Valley , Bridlewood Country Estates, Stoneridge, Heritage, Old Coach and Old Winery neighborhoods. Residents are being notified by telephone through the Reverse 9-1-1 System. The City of Poway has posted an emergency information online at [www.poway.org](http://www.poway.org). An emergency shelter has been established at the Poway Community Center located at 13094 Civic Center Drive . Large Animals can be brought to the Poway Valley Riders Association Arena, also known as the Poway Rodeo Grounds, at the corner of Tierra Bonita Road and Poway Valley Road . The Poway Fire Department with assistance from neighboring fire agencies is working to control the fire. All schools in the Poway Unified School District will be closed today.

10-22-07 3:44 a.m. **San Pasqual Valley Fire:** No new updates at this time. The fire in the San Pasqual Valley area is coming close to the Wild Animal Park . According to the Sheriff's Department, a transformer exploded near the area of Hwy 78 and Bandy Canyon Road , 4 miles east of Wild Animal Park . At this time, the acreage has not been confirmed and there is no word on animals being evacuated at this time.

**Coronado Hills Fire (in San Marcos ):** According to San Marcos Fire Department, reverse 911 was sent out to 4,062 residents in the community of Discovery Hills and the Red Cross has set up an evacuation center at Escondido High School . There are reports of structures burning and more than 200 acres have burned, threatening structures in the Coronado Hills area near California State University at San Marcos .

**Mission (Fallbrook) Fire:** A new fire is being reported at East Mission Rd. and Davis Dr . No further details are available at this time.

**Descanso Fire:** According to CAL FIRE, a fire has broken out in the Descanso Valley area near Interstate 8. It has burned 200 acres. No further details are available at this time.

**Witch Fire:** The Witch Fire continues to burn significantly toward the west in the direction of the San Pasqual Valley Fire and officials are concerned that the fires will merge.



## COUNTY OF SAN DIEGO

**Harris Fire:** The Harris Fire also continues to burn to the west.

**McCoy Fire:** There are 60 acres burning in a remote area in the Cleveland National Forest near Eagle Peak .

10-22-07, 2:35 a.m. **San Pasqual Valley Fire:** The fire in the San Pasqual Valley area is coming close to the Wild Animal Park . According to the Sheriff's Department, a transformer exploded near the area of Hwy 78 and Bandy Canyon Road , 4 miles east of Wild Animal Park . At this time, the acreage has not been confirmed and there is no word on animals being evacuated at this time.

**Coronado Hills Fire (in San Marcos ):** According to CAL FIRE, 100 acres have burned, threatening structures in the Coronado Hills area near California State University at San Marcos .

**Fallbrook:** A new fire is being reported at East Mission Rd. and Davis Dr . No further details are available at this time.

**Descanso:** According to CAL FIRE, a fire has broken out in the Descanso Valley area near Interstate 8. It has burned 200 acres. No further details are available at this time.

10-21-07 11:17 p.m. Four North County Transit busses are en route to Ramona to assist evacuees in need of transportation assistance. The Sheriff is coordinating the effort.

Five county probation vehicles have been dispatched to assist clients at the Poway High School shelter as they are moved to Mira Mesa High School at 10510 Reagan Road in San Diego.

10-21-07 10:56 p.m. Red Cross says the shelter at Poway High School is being moved to Mira Mesa High School. See news release to the right.

10-21-07 10:33 p.m. HARRIS FIRE UPDATE: The Sheriff is issuing a mandatory evacuation along Highway 94 for residents of the following communities: Barrett Junction, Engineer Springs, Dulzura and all areas in between.

The evacuation point is Steele Canyon High School 12440 Campo Road in Spring Valley.

All San Diego County Courts will be closed tomorrow, October 22, 2007. Sheriff's deputies normally assigned to the courts will be working on the fire response effort.

**SCHOOL CLOSURES:** Jamul-Dulzura Union, Ramona and Poway Unified School Districts are closed tomorrow. In addition, Dehesa Charter School in Escondido will not be open. Palomar Mountain Elementary School in Valley Center-Pauma Unified School District will also be closed Monday.

10-21-07 10:03 p.m. MANDATORY EVACUATION OF WILDCAT CANYON ROAD FROM SAN VINCENTE ROAD TO WILLOW ROAD.

The evacuation points are Poway High School at 15500 Espola Road or Escondido High School at 1535 North Broadway or a temporary shelter point at Santana High School, 9915 North Magnolia.



## COUNTY OF SAN DIEGO

All schools in the Ramona and Poway Unified School Districts will be closed tomorrow. 10-21-07 9:46 p.m. All schools in Ramona Unified School Districts will be closed Monday.

10-21-07 9:14 p.m. MANDATORY EVACUATION FOR ALL RESIDENTS OF RAMONA. The Sheriff is notifying more than 10,000 households using the Reverse 911 system. The evacuation point is Poway High School at 15500 Espola Road or Escondido High School at 1535 North Broadway.

10-21-07 8:26 p.m. HWY 78 FIRE UPDATE: ALL RESIDENTS IN THE RAMONA AREA SOUTH OF 78, WEST OF PINE SOUTH TO MONTICETO AND THE SAN DIEGO COUNTRY ESTATES ARE URGED TO EVACUATE IMMEDIATELY.

The Sheriff is issuing a mandatory evacuation for Country Estates from Rutherford south and west to San Vicente and Black Canyon Road in Ramona.

The evacuation points are Poway High School, 15500 Espola Road and Escondido High School, 1535 North Broadway.

10-21-07 7:34 p.m. CAL FIRE reports the Harris Fire is 14,000 acres and 5 percent contained. There have been multiple structures destroyed. There were 4 firefighters injured earlier in the day when the fire burned over their engines. 13 civilians have been burned on this fire. The communities of Potrero, Tecate, Dulzura and parts of Deerhorn Valley have been evacuated. The fire is burning to the northwest and being driven by Santa Ana winds. Highway 94 is closed between Harris Ranch Road and Otay Lakes Road.

The Hwy 78 Fire is 5,000 acres and has burned across Sutherland Dam Road to the west and Rancho Santa Theresa to the south. Evacuations have been made in the Witch Creek area, Old Julian Highway, and the north east side of the San Diego Country Estates. Hwy 78 & 79 are closed from Julian to Ramona.

10-21-07 5:52 p.m. Harris Fire: The Sheriff has issued a mandatory evacuation for Barrett Junction and 698 homes have been advised to evacuate using the Reverse 911 system.

Hwy 78 Fire: The Sheriff is issuing an advisory evacuation for north of 78, south of Cleveland National Forest just east of Black Canyon Rd. and Magnolia just west of Pine.

10-21-07 5:33 p.m. CAL FIRE reports the Harris Fire is now 3,000 acres. Multiple structures have been destroyed. The fire has two heads, the southern head has burned past Barrett Lake Road south of Highway 94, the northern head is burning toward Mother Grundy Peak.

10-21-07 4:45 p.m. The Red Cross has set up temporary evacuation points for the Hwy 78 Fire at Escondido High School and for the Harris Fire at the Campo Community Centers. A temporary evacuation point is a gathering place where evacuees can be directed to shelter facilities.

10-21-07 4:10 p.m. Hwy 78 Fire. The San Diego Red Cross reports large animals can be evacuated to the Lakeside Rodeo.



## COUNTY OF SAN DIEGO

10-21-07 3:29 p.m. Harris Fire: CAL FIRE reports four civilians have suffered burns in the Potrero area. The western edge of the fire has reached Barrett School Road and SR-94.

10-21-07 2:47 p.m. Harris Fire: CAL FIRE reports four firefighters suffered burn injuries. One civilian has also died.

10-21-07 2:25 p.m. The Hwy. 78 Fire has burned 3,000 acres. The Sheriff's Dept. is issuing an advisory evacuation for San Diego Country Estates in Ramona. The evacuation point is Poway High School at 15500 Espola Road.

10-21-07 2:25 p.m. CAL FIRE reports Harris Fire is 2,500 acres. 10-21-07 1:19 p.m. The fire near Santa Ysabel has burned more than 100 acres. It is on both sides of SR-78. Structures in the area of Witch Creek are threatened.

Harris Fire: San Diego Humane Society opposite the Jamul Fire Station has been set up to receive large animals.

10-21-07 12:59 p.m. A second fire is burning near Santa Ysabel at SR-78. SR-78 is closed at Santa Ysabel. Structures are threatened.

10-21-07 12:49 p.m. CAL FIRE reports Harris Fire is now 500 acres and has crossed Highway 188.

10-21-07 12:34 p.m. Mandatory evacuations added for the Harris Fire: All residents within Tecate in the United States. The evacuation point is Steele Canyon High School at 12440 Campo Road in Spring Valley.

10-21-07 12:15 p.m. CAL FIRE reports The fire is well established on the south side of SR-94. Sheriff's Department is conducting evacuations along Emory Road. They are preparing to shelter-in-place the Tecate area.

10-21-07 11:34 a.m. CAL FIRE reports a 100+ acre vegetation fire is burning west of Harris Ranch Road and North of Highway 94 (Thomas Brothers Map Page 1296 E,F,G -7). This is a Santa Ana wind driven fire with 30 to 35 mph winds from the east. This is pushing the fire to the west. There has been one confirmed structure destroyed with the possibility of others having been destroyed too. The fire started at 9:23 am and the cause is under investigation. Current evacuations are Potrero Park Road to the south, north of Highway 94, west of Harris Ranch Road and east of Potrero Valley Road. Highway 94 is closed between Forest Gate Road and Highway 188. The current evacuation point is Twin Lakes Cafe at 25275 Potrero Valley Rd.

###



# COUNTY OF SAN DIEGO



I.3. Santa Barbara County Air Pollution Control District  
Ozone Exceptional Event Documentation – March 11, 2009



Our Vision  Clean Air

February 27, 2009

Karen Magliano, Chief  
Air Quality Data Branch  
California Air Resources Board, PTSD/AQDB  
P.O. Box 2815  
Sacramento, CA 95812

RE: Submittal of Exceptional Event Demonstration for Santa Barbara County, October 22, 23, 2007

Dear Ms. Magliano:

Enclosed please find the document titled "Exceptional Event Demonstration for High Ozone in Santa Barbara County Due to Wild Fires (October 22, 23, 2007)."

The Santa Barbara County Air Pollution Control District is submitting this request for exceptional event status for exceedances of both federal and California ozone standards on October 22 and October 23, 2007, due to wildfires in Southern California. We submit this documentation for California Air Resources Board concurrence and ask that this request be forwarded to the Environmental Protection Agency for their approval.

The Exceptional Event Documentation has been publicly noticed and available for review and comment through our website, [www.OurAir.org](http://www.OurAir.org). No comments have been received as of the date of this letter.

Thank you for your consideration of this important request. Should you or your staff need additional information, please contact Joel Cordes ([cordesj@sbcapcd.org](mailto:cordesj@sbcapcd.org), 805.961.8816) or myself ([bratzb@sbcapcd.org](mailto:bratzb@sbcapcd.org), 805.961.8890).

Sincerely,

Bobbie Bratz  
Public Information and Community Programs Supervisor  
Santa Barbara County Air Pollution Control District

cc: Gayle Sweigert, Manager, ARB Air Quality Analysis Section  
Joel Cordes, SBCAPCD

# **Exceptional Event Demonstration for High Ozone in Santa Barbara County Due to Wild Fires (October 22, 23, 2007)**

---

Submitted to the California Air Resources Board  
March 2009



**260 North San Antonio Road, Suite A, Santa Barbara, Ca 93110**  
**OurAir.org**



# Exceptional Event Demonstration for High Ozone in Santa Barbara County Due to Wild Fires (October 22, 23, 2007)

On October 22 and 23, 2007 Santa Barbara County experienced exceedances of both federal and state of California ozone standards. The state ozone exceedances were county-wide, occurring from Carpinteria in the south to Vandenberg Air Force base in the north. The federal exceedances occurred at Carpinteria, El Capitan and LFC1. A map of Santa Barbara County monitoring sites is provided in figure 1. A table listing the maximum 8 hour averages and maximum 1 hour averages of ozone concentrations on these two days is provided in table 1. The hourly averages of the highlighted ozone values for these two days have been flagged in AQS as exceptional events due to the wildfires burning in Southern California during this ozone episode.

Figure 1: Santa Barbara County Monitoring Site Locations



**Table 1: Ozone Concentrations**

Site Code	Site Name	Ozone (ppm)			
		Max 1-hour average		Max 8-hour average	
		10/22/07	10/23/07	10/22/07	10/23/07
060830008	El Capitan	0.066	0.095	0.054	0.079
060830011	Santa Barbara	0.064	0.079	0.051	0.069
060831008	Santa Maria	0.052	0.059	0.038	0.045
060831013	LompocHSP	0.075	0.070	0.069	0.065
060831014	Paradise Rd	0.085	0.057	0.072	0.048
060831018	Nojoqui	0.067	0.059	0.062	0.047
060831021	Carpinteria	0.074	0.096	0.064	0.082
060831025	LFC 1	0.080	0.092	0.079	0.086
060832004	Lompoc H	0.060	0.078	0.045	0.060
060832011	Goleta	0.060	0.075	0.049	0.066
060833001	Santa Ynez	0.068	0.047	0.057	0.040
060834003	VAFB	0.066	0.082	0.069	0.074

	Exceeds Federal 8 hour Ozone standard of .075 ppm
	Exceeds State 8 hour Ozone standard of .070 ppm
	Exceed State 1 hour Ozone standard of .09 ppm

At the time of the exceedances, a significant amount of smoke and pollutants generated from large wildfires in the Los Angeles and San Diego areas and smaller fires in Ventura County was being transported into Santa Barbara County. The smoke caused elevated particulate concentrations and poor air quality throughout the region. Table 2 lists the particulate concentrations collected on these days from BAMS monitors in the county while table 3 lists the particulate concentrations collected from hi-volume samplers. Figures 2 and 3 are satellite products showing the smoke intrusion.

**Table 2: Particulate - BAMS Samplers**

Particulate daily average from BAMS samplers							
Site Code	Site Name	PM10 ug/m3			PM2.5 ug/m3 *		
		10/21/07	10/22/07	10/23/07	10/21/07	10/22/07	10/23/07
060830011	Santa Barbara	286	113	126	23	33	57
060831008	Santa Maria	n/a	n/a	n/a	2	23	18
060832004	Lompoc H				5	41	32

	Exceeds Federal 24 hour PM10 Standard of 150 ug/m3
	Exceeds State 24 hour PM10 standard of 50 ug/m3
	Exceeds the level of the Federal 24 hour PM2.5 standard of 35 ug/m3

\* Non-FRM sampler

**Table 3: Particulate - Hi-Volume Samplers**

Particulate Daily Averages from Hi-Volume Samplers			
		PM10 ug/m3	PM2.5 ug/m3
Site Code	Site Name	10/21/07	10/21/07
060830008	El Capitan	228	12 3
060830011	Santa Barbara		
060831008	Santa Maria	40	
060831025	LFC 1	320	
060832004	Lompoc H	38	
060834003	VAFB	68	

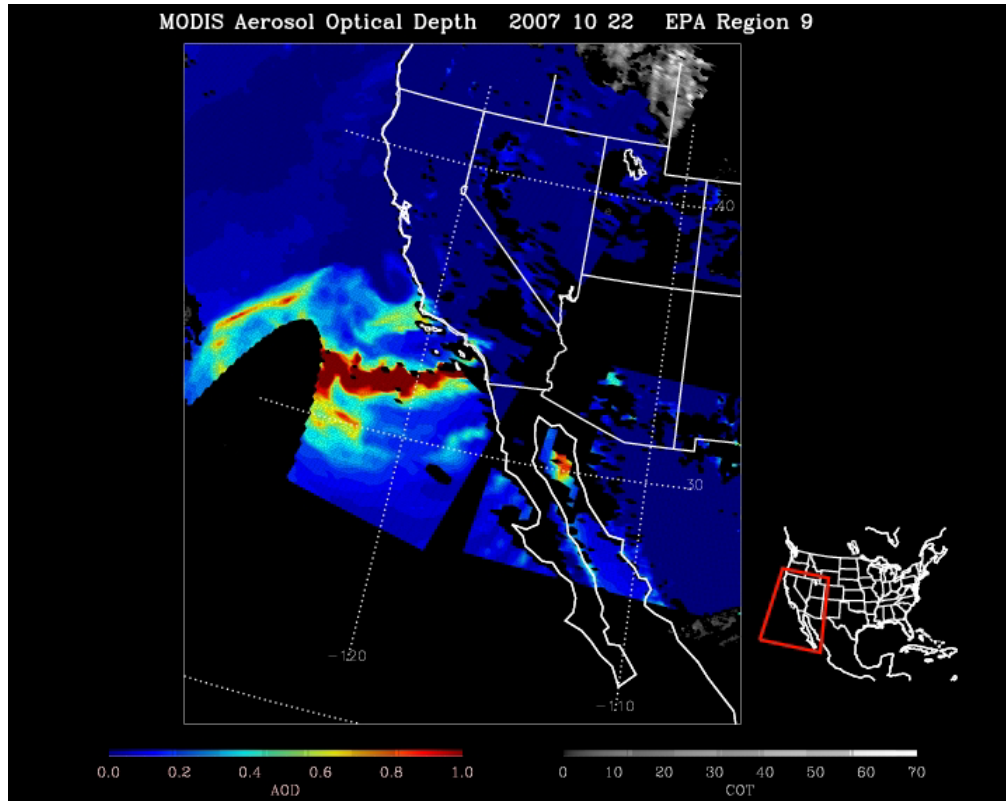


Exceeds Federal 24 hour PM10 Standard of 150 ug/m3  
Exceeds State 24 hour PM10 standard of 50 ug/m3

**Figure 2: Intrusion of Smoke Particulate from Wildfires into Santa Barbara County**



Figure 3: Western US Aerosol Optical Depth -22 October 2007



Intense high pressure at both the surface and aloft was the dominant meteorological feature that existed during the time of the October 22 and 23 ozone exceedances. As shown in figure 4, a strong high pressure system aloft was centered over the eastern Pacific just off the northern California Coast on the afternoon of the October 22. By the afternoon of October 23, the upper-level high had weakened and moved east centering over the central California/Nevada border (Figure 5). At the surface, high pressure was centered over the Great Basin area of the western United States and a weak trough was positioned along the California coast creating a strong offshore pressure gradient (Figure 6). By the afternoon of the October 23, the offshore pressure gradient had decreased as the surface high over the Great Basin weakened and surface pressure increased along the coast (Figure 7).

Figure 4: 500 mb Height Analysis - 22 October 2007; 1700 PDT

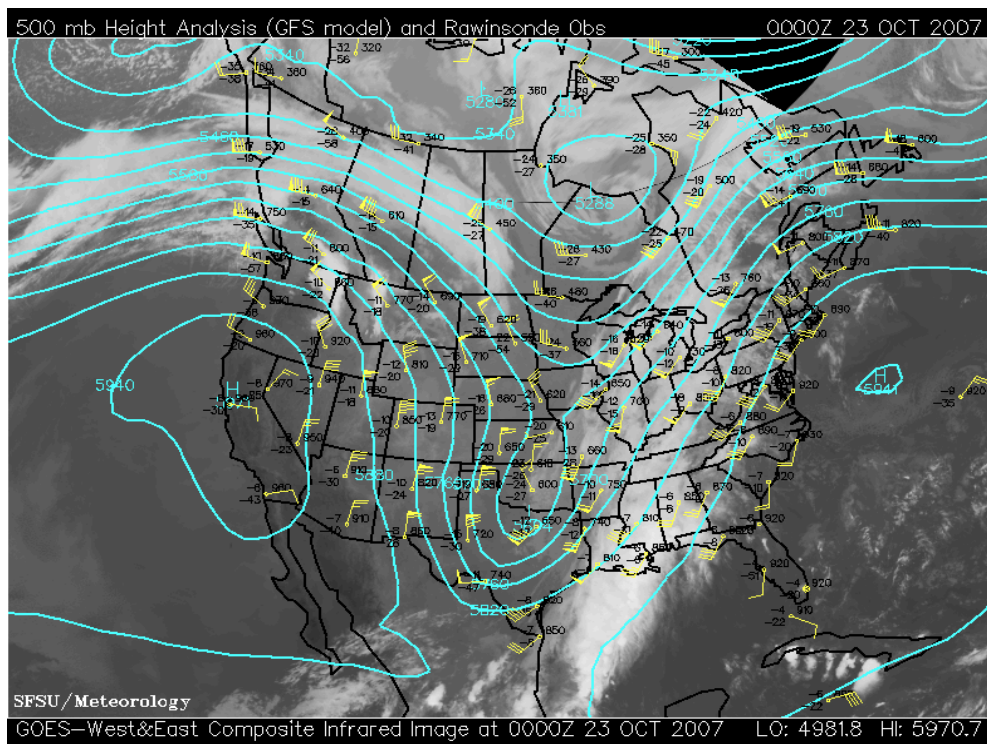


Figure 5: 500 mb Height Analysis - 23 October 2007; 1700 PDT

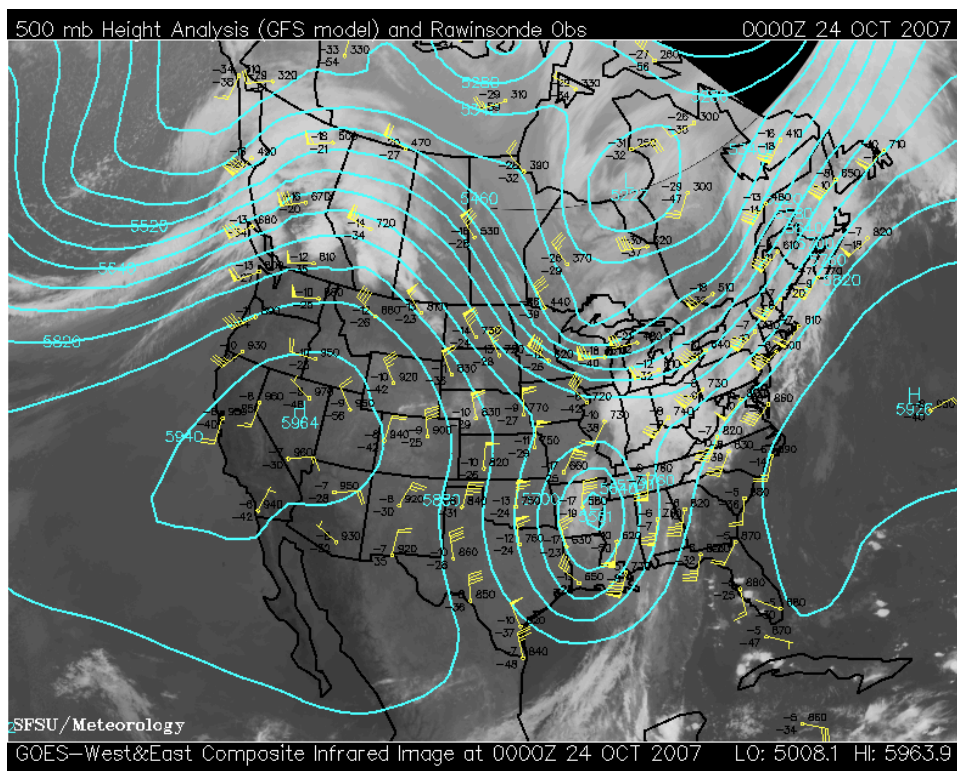




Figure 6: Sea-level Pressure Analysis - 22 October 2007; 1700 PDT

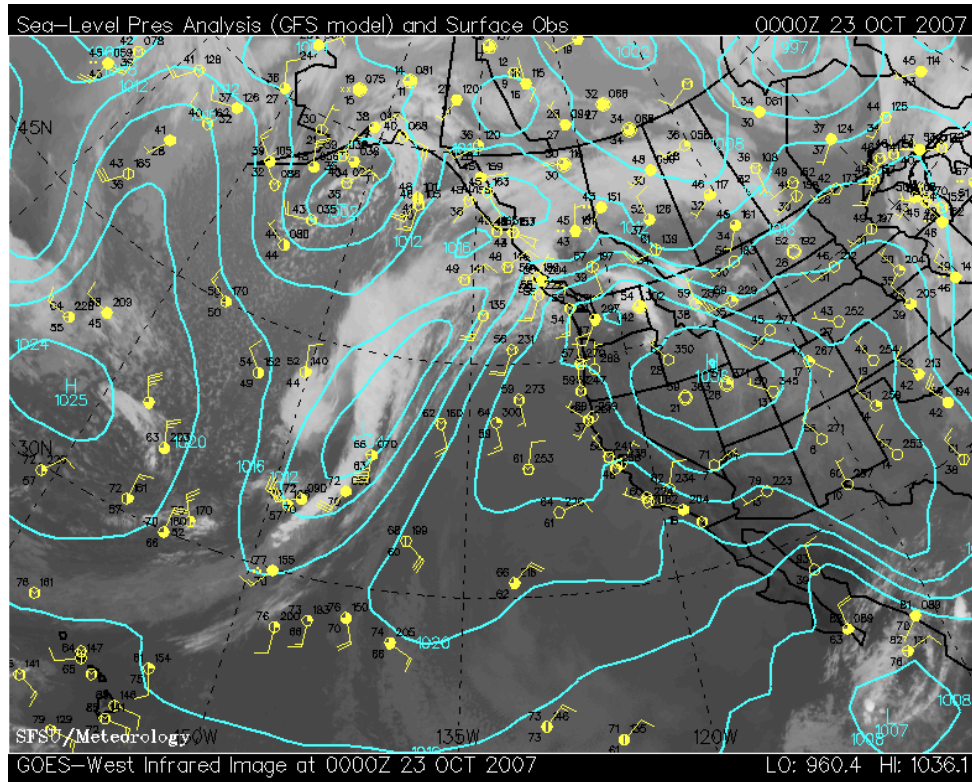
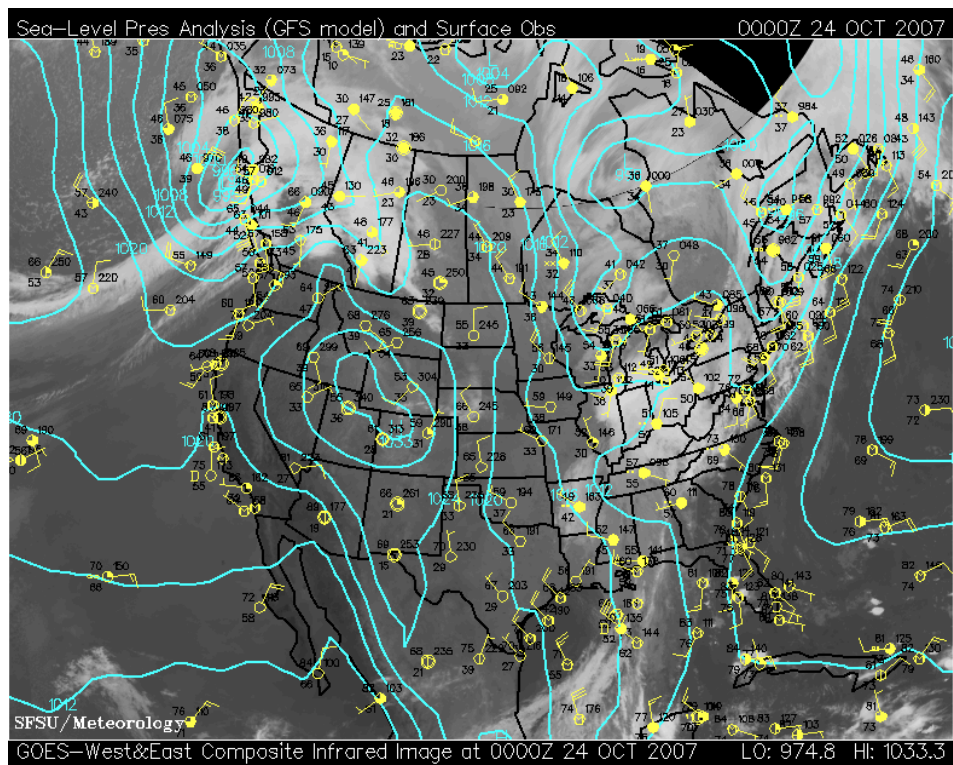


Figure 7: Sea-level Pressure Analysis - 23 October 2007; 1700 PDT



The synoptic pattern lead to “Santa Ana” conditions in Southern California, which are characterized by strong easterly winds and a hot and dry atmosphere. It should be noted that the low-level easterly winds associated with Santa Ana conditions rarely penetrate into the Santa Barbara area due to blockage from the local topography. While the fire areas south of Santa Barbara were experiencing strong easterly winds, coastal Santa Barbara was under the influence of a light sea breeze. This can be seen in the October 23 profiler data from Goleta (Figure 8) that show a mild sea breeze undercutting the upper-level easterly winds. Weak westerly flow predominated up to about 900 meters above sea level and then began to shift to the east above this altitude.

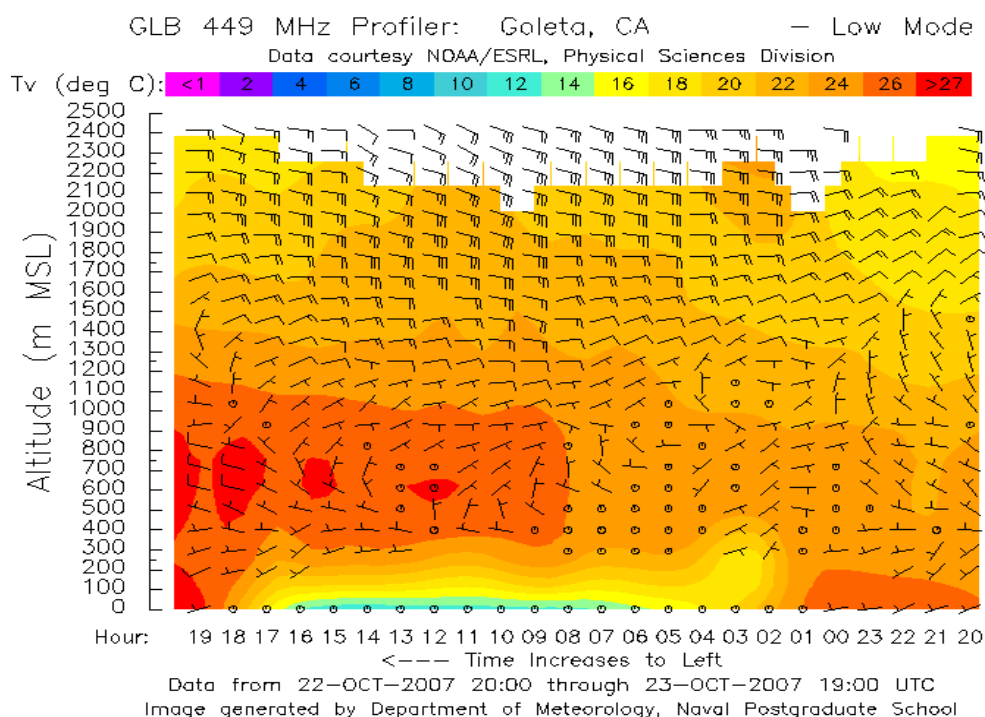
Pollution concentrations in the Santa Barbara area during and soon after Santa Ana events are highly dependent on pollution levels in upwind regions, predominately the Los Angeles Basin. While Santa Barbara County often experiences elevated levels of ozone under Santa Ana conditions, these meteorological conditions must be coupled with high levels of ozone and ozone precursors in the upwind air mass. The severity of the impact on Santa Barbara County is then dependent upon several factors including the level of upwind pollution and meteorological conditions. It is highly unlikely that Santa Barbara County would experience an ozone exceedance during and immediately following Santa Ana events unless there is sufficient pollution being transported into the area from the Los Angeles Basin. It should be noted that the meteorology associated with Santa Ana’s leads to transport conditions that can potentially cause high ozone concentrations in Santa Barbara County if upwind concentrations are sufficient.

During the period of October 20 through October 23, the time period prior to and during the Santa Ana event, ozone concentrations in the Los Angeles Basin and Ventura were relatively low with none of the sites exceeding state or federal ozone standards. Both the Los Angeles Basin and Ventura County are upwind of Santa Barbara County during Santa Ana conditions. As shown in Table 4, hourly average ozone concentrations ranged from about 40 to 60 ppm throughout the Los Angeles Basin during the period of October 20-23. The highest concentration recorded in Ventura County during the period of October 20-23 was 0.067 ppm at the Ojai monitoring site. These levels of pollution indicate that the LA Basin and Ventura County were “clean” upwind areas prior to and during the time of the exceedances in Santa Barbara County. This clearly suggests that the upper-level transport of smoke and emissions from fires burning in Southern California fires were impacting Santa Barbara County air quality and no exceedances would have occurred but for the smoke and associated pollution that was transported into the County.

**Table 4: Maximum Hourly Ozone Concentrations at Los Angeles and Ventura County Sites (ppm)**

Site	October 20, 2007	October 21, 2007	October 22, 2007	October 23, 2007
Santa Clarita	0.041	0.042	0.046	0.036
Crestline	0.061	0.044	0.051	0.041
West Los Angeles	0.042	0.051	0.037	0.048
Burbank	0.041	0.045	0.041	0.034
Glendora	0.054	0.056	0.043	0.037
North Long Beach	0.037	0.049	0.052	0.043
Riverside-Rubidoux	0.056	0.044	0.047	0.039
Simi Valley (Ventura)	0.045	0.043	0.048	0.042
El Rio (Ventura)	0.043	0.050	0.052	No Data
Ojai (Ventura)	0.050	0.063	0.067	0.063
Thousand Oaks (Ventura)	0.052	0.043	0.056	0.040

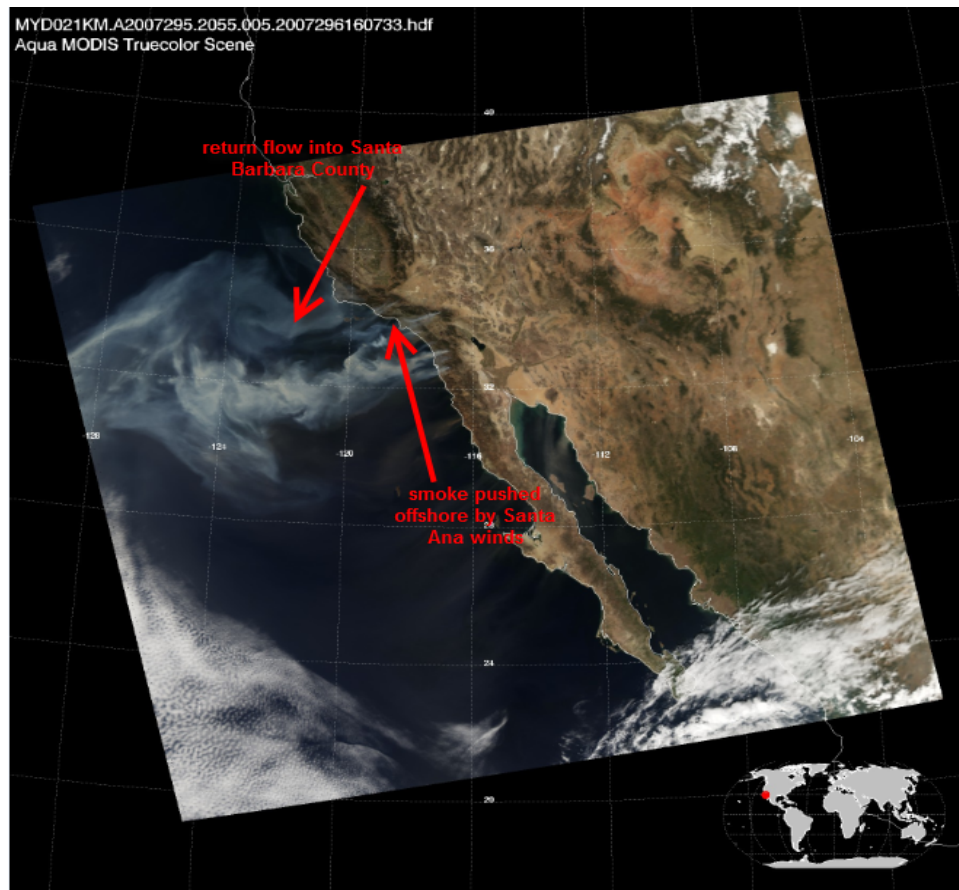
**Figure 8: Goleta Wind Profiler; 22-23 October 2007**



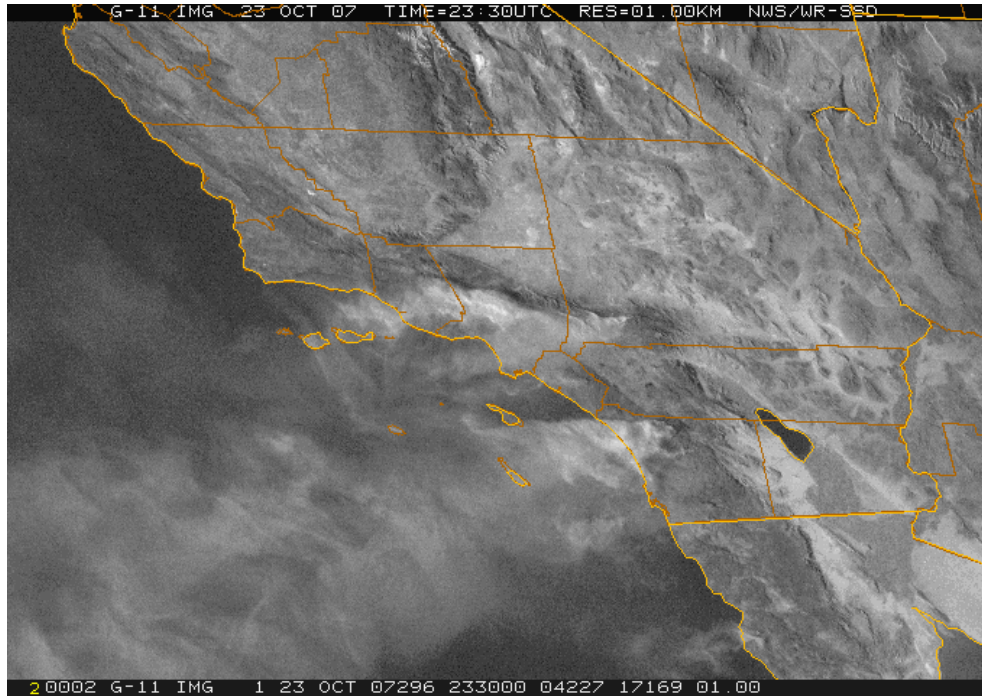


Under the Santa Ana conditions that occurred on October 22 and 23, the smoke and pollutants generated from the wildfires were transported out to sea by the strong easterly winds. Local coastal sea breezes then carried the pollutants back onshore into the Santa Barbara area. Satellite imagery (Figures 9 and 10) clearly illustrate the easterly transport of smoke from the Los Angeles and San Diego fires out to the ocean. These images also show that the smoke has been carried into the Santa Barbara area by weak onshore winds impacting air quality throughout the region.

**Figure 9: MODIS Image - 22 October 2007**

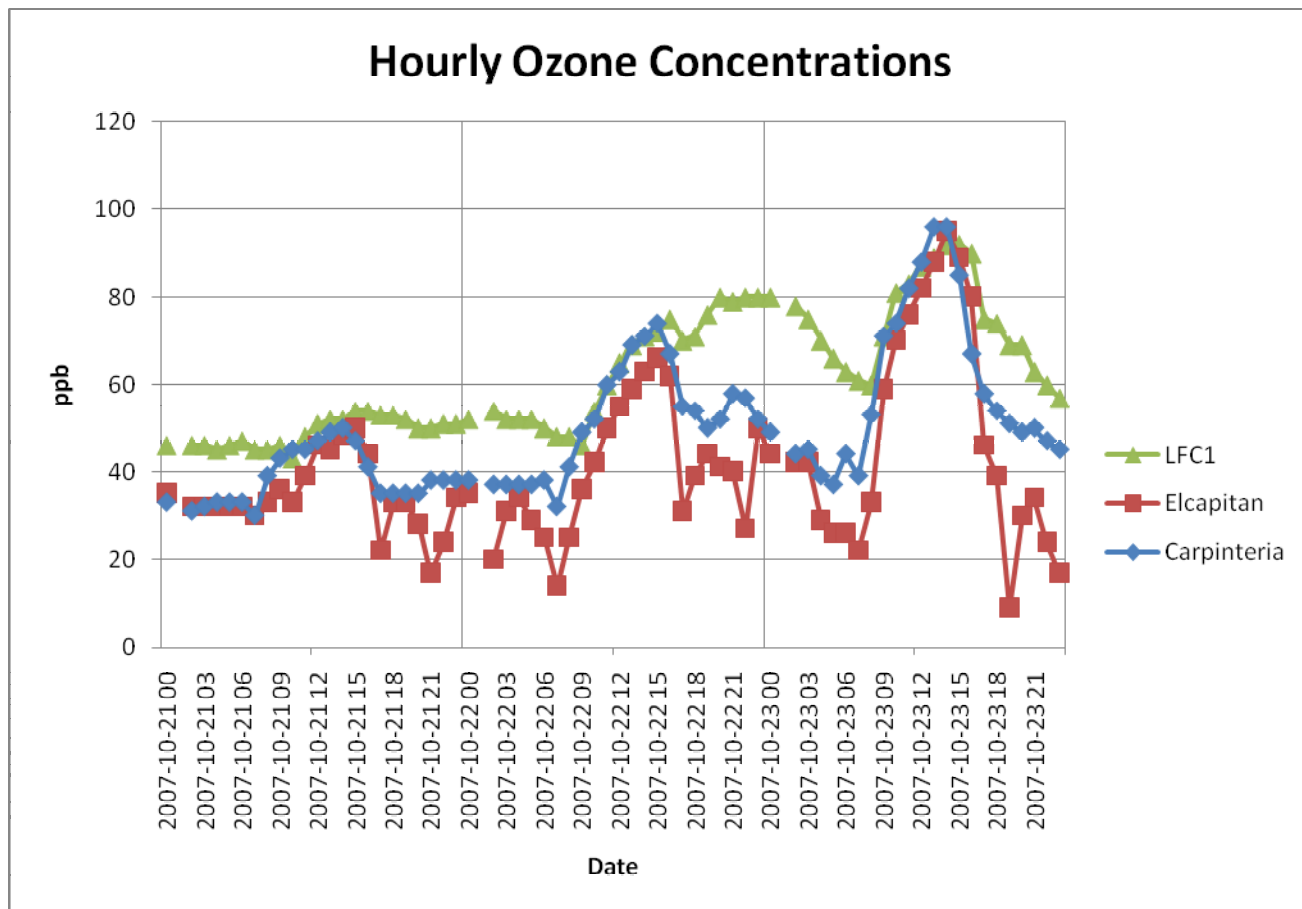


**Figure 10: Visible Satellite Imagery - 23 October 2007; 1630 PDT**



Ozone levels began to rise on October 21 and peaked on October 23. This episode was unusual in that it did not exhibit the typical diurnal pattern where ozone concentrations generally increase during the day and decrease at night. Figure 11 shows the hourly averages for October 21 – 23 at the three sites where the federal 8-hour ozone standard was exceeded.

**Figure 11: Hourly Ozone Concentrations, October 21 – 23, 2007**



On the first day of the ozone episode (October 21), the ozone concentrations began to rise slightly during the day. In the evening, the concentrations at Carpinteria and El Capitan began to decrease, which is the typical diurnal pattern. The ozone concentrations at LFC 1, however, remained elevated throughout the evening.

On day two (October 22), the ozone concentrations began to rise again at hour 9. The values at Carpinteria and El Capitan peaked at hour 15 while the ozone levels at LFC1 did not peak (0.080 ppm) until hour 20. The concentrations remained elevated at LFC1 until after an auto-calibration at hour 02 the next morning. The exceedance of the 8-hour standard at LFC1 was unusual in that the eight hour averaging period included only nighttime hours (1900 – 0200). These nighttime concentrations at LFC1 indicate that an area of elevated ozone persisted at higher altitudes due to transport emissions from fires burning in Southern California.

On day three (October 23), the concentration at LFC1 decreased to .060 ppm at hour 8. Ozone concentrations at each of the sites peaked at hour 14 then decreased steadily for the remainder of the day although LFC1 concentrations decreased at a much slower rate than El Capitan and Carpinteria. Ozone concentrations remained high enough, however, for 8-hour averages to exceed the federal ozone standard at all three sites. These concentrations appear to be influenced by the previous days persistent area of elevated ozone concentration combined with additional emissions from the fires

As shown in Figure 12, two additional sites exhibited nighttime peaks in ozone concentrations. As can be seen in this figure, the ozone concentrations at Lompoc HS&P and VAFB had a similar diurnal pattern as LFC1 with ozone concentrations either remaining elevated or rising during nighttime hours. These two monitoring sites rarely measure high ozone concentrations and their nighttime peaks on October 22 indicate that an unusually polluted air mass was transported into the area from the fires burning in Southern California.

**Figure 12: Hourly Ozone Concentrations, October 21 – 23, 2007**

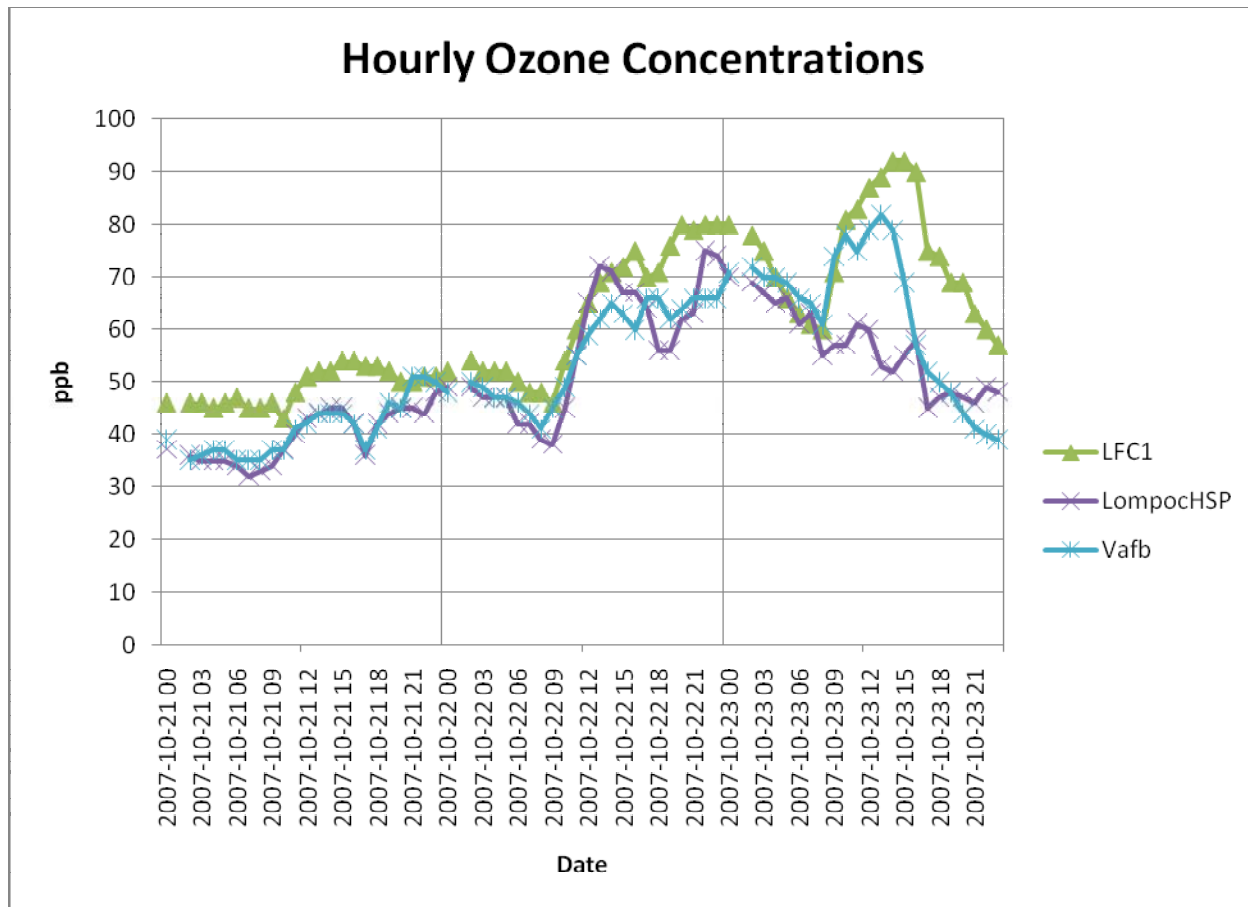
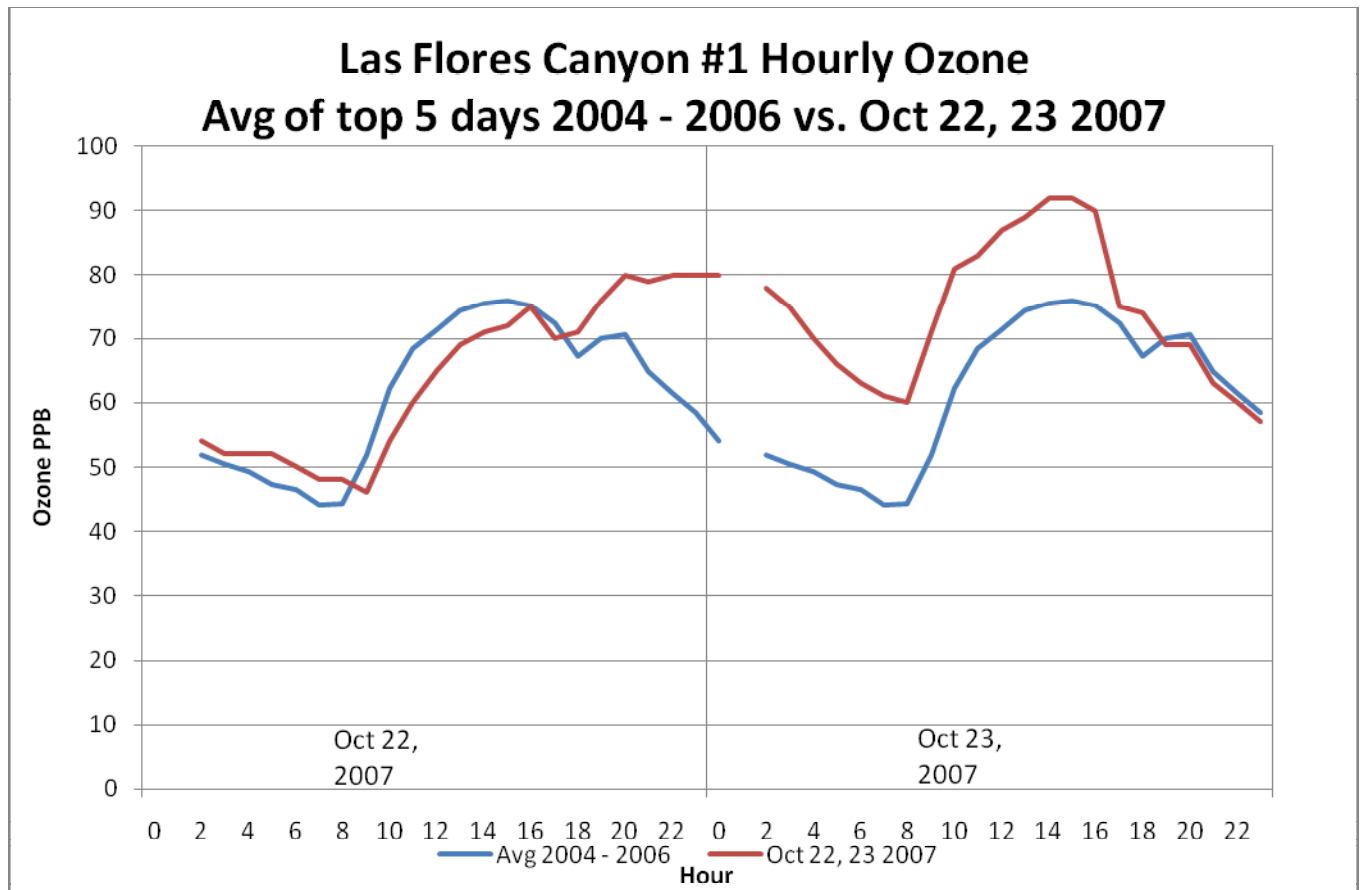


Figure 13 presents an evaluation of the diurnal pattern of peak ozone concentrations between 2004 and 2006 and the October 22-23, 2007 exceedances at the LFC1 site. As can be seen in this figure, peak ozone concentrations typically occur during the afternoon at the LFC1 site. In contrast to the normal diurnal pattern, the LFC1 site exhibited high night time ozone concentrations starting during the evening of October 22 and continued into the early morning of October 23. This deviation from the normal diurnal pattern of maximum concentrations on October 22-23, 2007 is further evidence that pollution was transported into the Santa Barbara area. Maximum ozone concentrations at night along with the fact that the upwind areas of the Los Angeles Basin and Ventura County had low pollution levels during the period of October 20-23, 2007 strongly suggests that smoke from fires burning in Southern California predominately contributed to ozone exceedances in Santa Barbara County.


In conclusion, smoke and pollutants were being transported into Santa Barbara County from several fires in Southern California during this ozone episode. The transport of smoke is clearly evident in the satellite imagery submitted with this document. In addition, the particulate concentrations measured in the county were exceptionally high during the period, which provides further evidence that emissions from the fires were transported into the county. The ozone concentrations were unusually high during these days and exhibited unusual diurnal patterns. We are therefore requesting concurrence of the exceptional event flags placed on the ozone data for these days due to the influence on our local air quality from the fires burning in Southern California.

**Figure 13: Comparison of Diurnal Ozone Pattern Between**





During the October 2007 fire events the APCD, in coordination with the Santa Barbara County Public Health Department, issued a number of advisories regarding the health impacts from smoke and ash due to the Southern California wildfires. In addition, several TV and radio interviews were aired.



Home | Programs | About Us | Help | Contact Us

### Santa Barbara County Air Pollution Control District

**Air Quality**  
Today's Air Quality  
Pollutants & Health  
Monitoring Air Quality  
Attainment Class  
Air Toxics  
**Planning**  
Clean Air Plans  
Land Use & CEQA  
Transportation  
**Business**  
News/Notices/Meetings  
Permits & Engineering  
Compliance/Breakdowns  
Download Documents  
Rules & Regulations  
Agriculture  
Air Toxics  
Business Assistance  
Funding Programs  
**Community Outreach**  
News/Notices/Meetings  
Kids & Teachers  
Special Projects  
Publications  
View Public Records  
**Regional**  
Marine Shipping  
**More...**  
Contact Us 961-8800  
Site Map

**FOR IMMEDIATE RELEASE**  
October 20, 2007

**CONTACT:**  
Tom Murphy, 805.403.1096  
Bobbie Bratz, 805.455.6403

See links to up to date info on [this page](#).

#### Air Quality Advisory Due to Blowing Ash

Santa Barbara, CA-The Santa Barbara County Air Pollution Control District (APCD) today issued an air quality advisory for southern Santa Barbara County. Ash from the summer's Zaca Fire is becoming airborne with high winds in the area.

High winds forecast through this evening will continue to bring fine ash particles into the south coast. Particulate levels are higher than normal and will vary with prevailing wind direction.

Persons sensitive to particulates should be cautious and use "common sense" to protect your family's health. Everyone, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors, and limit prolonged or heavy exertion. If you have symptoms of lung or heart disease that may be related to excess particle exposure, including repeated coughing, shortness of breath or difficulty breathing, wheezing, chest tightness or pain, palpitations, nausea or unusual fatigue or lightheadedness, contact your health care provider.

Said Air Pollution Control Officer Terry Dressler, "We encourage everyone to pay particular attention to any health problems that they may be experiencing and to contact their physician if they are feeling ill."

###

Return to [News Releases](#) or [News & Notices](#)

[Home](#) | [About Us](#) | [Air Quality](#) | [Planning](#) | [Business](#) | [Community](#) | [Regional](#) | [Help](#) | [Contact Us](#)  
© 2009 Santa Barbara County Air Pollution Control District



Home | Programs | About Us | Help | Contact Us

### Santa Barbara County Air Pollution Control District

**Air Quality**  
Today's Air Quality  
Pollutants & Health  
Monitoring Air Quality  
Attainment Class  
Air Toxics  
**Planning**  
Clean Air Plans  
Land Use & CEQA  
Transportation  
**Business**  
News/Notices/Meetings  
Permits & Engineering  
Compliance/Breakdowns  
Download Documents  
Rules & Regulations  
Agriculture  
Air Toxics  
Business Assistance  
Funding Programs  
**Community Outreach**  
News/Notices/Meetings  
Kids & Teachers  
Special Projects  
Publications  
View Public Records  
**Regional**  
Marine Shipping  
**More...**  
Contact Us 961-8800  
Site Map



Note: see links to more current news on [this page](#).

**FOR IMMEDIATE RELEASE**  
October 22, 2007

**Public Health Contacts:**  
Michele Mickiewicz, Public Information Officer, 805-451-3497 (cell)  
Elliot Schulman, MD, MPH, Public Health Department Director, County Health Officer, 805-681-5105

**APCD Contacts:**  
Bobbie Bratz, Public Information Officer, 805-455-6403(cell)  
Tom Murphy, APCD Division Manager, 805-403-1096

#### Precautionary Health Advisory for Smoke and Ash

Santa Barbara, CA — The Santa Barbara County Public Health Department and the Santa Barbara County Air Pollution Control District (APCD) have issued a precautionary advisory for Santa Barbara County communities. Residents in areas of the county that can smell smoke from the Sedgwick Fire or other fires burning in southern California are advised to take precautions by minimizing time outdoors and avoiding prolonged or heavy exertion. These precautions are especially important for people with respiratory and heart conditions.

The air quality conditions over the weekend were caused by high winds that were blowing ash left over from the Zaca Fire as well as smoke from the Sedgwick Fire that is burning north east of Figueroa Mountain.


If you smell smoke, be cautious and use common sense to protect your family's health. Everyone, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors, and limit prolonged or heavy exertion. If you have symptoms of lung or heart disease that may be related to excess smoke exposure, including repeated coughing, shortness of breath or difficulty breathing, wheezing, chest tightness or pain, palpitations, nausea or unusual fatigue or lightheadedness, contact your health care provider. Residents living in areas impacted by fires and high winds are advised to monitor conditions and avoid outdoor activity when the smell of smoke is present. If wind activity increases, there is also the possibility that the ash from fires will again become airborne causing a decrease in air quality.

Dr. Elliot Schulman, County Health Officer, said, "With these fire and wind conditions, it's especially important for people with asthma or other respiratory diseases or heart conditions to monitor their health and consult with their health care providers if their symptoms worsen."

###

Return to [News Releases](#) or [News & Notices](#)

[Home](#) | [About Us](#) | [Air Quality](#) | [Planning](#) | [Business](#) | [Community](#) | [Regional](#) | [Help](#) | [Contact Us](#)  
© 2009 Santa Barbara County Air Pollution Control District



[Home](#)
[Programs](#)
[About Us](#)
[Help](#)
[Contact Us](#)

Air Quality

Today's Air Quality

Pollutants & Health

Monitoring Air Quality

Attainment Class

Air Toxics

Planning

Clean Air Plans

Land Use & CEQA

Transportation

Business

News/Notices/Meetings

Permits & Engineering

Compliance/Breakdowns

Download Documents

Rules & Regulations

Agriculture

Air Toxics

Business Assistance

Funding Programs

Community Outreach

News/Notices/Meetings

Kids & Teachers

Special Projects

Publications

View Public Records

Regional

Marine Shipping

More...

Contact Us 961-8800

Site Map

Santa Barbara County

PUBLIC Health

DEPARTMENT

**Note: The Air Quality Advisory is no longer in effect.**

See links to up to date info on [this page](#).

**FOR IMMEDIATE RELEASE**  
October 23, 2007

**Public Health Contacts:**  
Michele Mickiewicz, Public Information Officer, 805-451-3497 (cell)  
Elliot Schulman, MD, MPH, Public Health Department Director, County Health Officer, 805-681-5105

**APCD Contacts:**  
Bobbie Bratz, Public Information Officer, 805-455-6403(cell)  
Tom Murphy, APCD Division Manager, 805-403-1096

**Air Quality Advisory for Smoke, Ash, and Soot**

Santa Barbara, CA — The Santa Barbara County Public Health Department and the Santa Barbara County Air Pollution Control District (APCD) have upgraded the precautionary advisory issued yesterday to an Air Quality Advisory for Santa Barbara County communities. Residents are advised to minimize time outdoors and avoid prolonged or heavy exertion. These precautions are especially important for people with respiratory and heart conditions.

The air quality conditions have degraded from Monday's levels due to high winds blowing smoke from the fires burning in southern California and continued impacts of ash and soot from the Zaca Fire.

Everyone is advised to be cautious and use common sense to protect your family's health, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors, and limit prolonged or heavy exertion. If you have symptoms of lung or heart disease that may be related to excess smoke or particulate exposure, including repeated coughing, shortness of breath or difficulty breathing, wheezing, chest tightness or pain, palpitations, nausea or unusual fatigue or lightheadedness, contact your health care provider.


Dr. Elliot Schulman, County Health Officer, said, "People are urged to continue being vigilant while the smoke and ash conditions continue. It is especially important for people with asthma or other respiratory diseases or heart conditions to monitor their health and consult with their health care providers if their symptoms worsen."

###

◀ Return to [News Releases](#) or [News & Notices](#)

[Home](#)
[About Us](#)
[Air Quality](#)
[Planning](#)
[Business](#)
[Community](#)
[Regional](#)
[Help](#)
[Contact Us](#)

© 2009 Santa Barbara County Air Pollution Control District



[Home](#)
[Programs](#)
[About Us](#)
[Help](#)
[Contact Us](#)

Air Quality

Today's Air Quality

Pollutants & Health

Monitoring Air Quality

Attainment Class

Air Toxics

Planning

Clean Air Plans

Land Use & CEQA

Transportation

Business

News/Notices/Meetings

Permits & Engineering

Compliance/Breakdowns

Download Documents

Rules & Regulations

Agriculture

Air Toxics

Business Assistance

Funding Programs

Community Outreach

News/Notices/Meetings

Kids & Teachers

Special Projects

Publications

View Public Records

Regional

Marine Shipping

More...

Contact Us 961-8800

Site Map

Santa Barbara County

PUBLIC Health

DEPARTMENT

**Note: The Air Quality Advisory is no longer in effect.**

[en Español](#) (PDF)

**FOR IMMEDIATE RELEASE**  
October 24, 2007

**Public Health Contacts:**  
Michele Mickiewicz, Public Information Officer, 805-451-3497 (cell)  
Elliot Schulman, MD, MPH, Public Health Department Director, County Health Officer, 805-681-5105

**APCD Contacts:**  
Bobbie Bratz, Public Information Officer, 805-455-6403  
Tom Murphy, APCD Division Manager, 805-403-1096

**Air Quality Conditions Improving**

Santa Barbara, CA — The Santa Barbara County Public Health Department and the Santa Barbara County Air Pollution Control District (APCD) have lifted the Air Quality Advisory for Santa Barbara County communities. Residents are advised to pay attention to their local conditions and minimize time outdoors and avoid prolonged or heavy exertion if experiencing smoke or ash in the area. These precautions are especially important for people with respiratory and heart conditions.

The air quality conditions have improved from Tuesday's levels although there is still smoke in the area from the fires burning in southern California and continued resuspension of ash and soot left over from last Saturday's high wind event.

County health and air pollution control officials still advise everyone to be cautious and use common sense to protect their family's health, especially those with heart or lung disease (including asthma). Sensitive individuals should limit time spent outdoors, and limit prolonged or heavy exertion. If you have symptoms of lung or heart disease that may be related to excess smoke or particulate exposure, including repeated coughing, shortness of breath or difficulty breathing, wheezing, chest tightness or pain, palpitations, nausea or unusual fatigue or lightheadedness, contact your health care provider.

Dr. Elliot Schulman, County Health Officer, said, "While conditions are improving, residents are urged to continue with caution when smoke and ash are present. It is especially important for people with asthma or other respiratory diseases or heart conditions to monitor their health and consult with their health care providers if their symptoms worsen."

###

◀ Return to [News Releases](#) or [News & Notices](#)

[Home](#)
[About Us](#)
[Air Quality](#)
[Planning](#)
[Business](#)
[Community](#)
[Regional](#)
[Help](#)
[Contact Us](#)

© 2009 Santa Barbara County Air Pollution Control District

15

7. News Items Issued				
Type of Outreach	Subject	Contact Persons & Organizations Involved	Date	Target Audience
News releases	Zaca Fire advisories and precautionary statements	Bobbie Bratz, Tom Murphy, Terry Dressler, Mary Byrd, and partners at Public Health and County Fire	Range: July13-29, 2007	Santa Barbara County media and residents
News release	Green Award Winners	Frances Gilliland	9/17/2007	Santa Barbara County media and residents
News releases	Air quality advisories (ash, soot, dust) and precautions	Bobbie Bratz, Tom Murphy, Terry Dressler, Mary Byrd, and partners at Public Health and County Fire	Range: 10/20/2007-12/28/2007	Santa Barbara County media and residents
News release	APCD files intent to sue USEPA	Tom Murphy, Terry Dressler, Bill Dillon, Bobbie Bratz, Mary Byrd	10/22/2007	Santa Barbara County media and residents
1. Television				
Type of Outreach	Subject	Contact Persons & Organizations Involved	Date	Target Audience
ksby-tv	Zaca Ash	Tom Murphy	10/20/2007	tv audience
kcoy-tv	Zaca Ash	Bobbie Bratz	10/21/2007	tv audience
multiple stations	Fire smoke and ash	Terry Dressler	fall 2007	tv audience
multiple stations	APCD sues EPA	Terry Dressler, news release	10/22/2007	tv audience
multiple stations	Greka	Terry Dressler	2007-2008	tv audience
2. Radio				
Type of Outreach	Subject	Contact Persons & Organizations Involved	Date	Target Audience
Gary & Catherine radio	Sedgewick smoke/Zaca ash	Bobbie Bratz	10/22/2007	radio audience
KCLU Public Radio	APCD Sues EPA- ships	Terry Dressler	1/23/2008	radio audience
Andy Caldwell Radio Show	APCD Sues EPA- ships	Terry Dressler	1/29/2008	radio audience
Gary & Catherine radio	Earth Day-Car Free	Mary Byrd	4/18/2008	radio audience



I.4. South Coast Air Pollution Control District  
PM Exceptional Event Documentation – December 22, 2009



**Linda S. Adams**  
Secretary for  
Environmental Protection

# Air Resources Board

---

**Mary D. Nichols, Chairman**  
1001 I Street • P.O. Box 2815  
Sacramento, California 95812 • [www.arb.ca.gov](http://www.arb.ca.gov)



**Arnold Schwarzenegger**  
Governor

December 22, 2009

Mr. Joseph Lapka  
Air Quality Analysis Office Manager  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street, AIR-7  
San Francisco, California 94105

Dear Mr. Lapka:

I am writing to request that the South Coast Air Quality Management District PM10 exceedances at the Perris monitoring site on April 12, 2007 and eleven monitoring sites on October 21, 2007 be flagged as exceptional events due to dust and high winds. Documentation on these events and their impact on air quality are enclosed.

On March 22, 2007, the United States Environmental Protection Agency (U.S. EPA) adopted the Treatment of Data Influenced by Exceptional Events rule that allows data to be flagged and thus excluded from consideration by U.S. EPA when making decisions related to the attainment status of an area. This rule, which became effective on May 22, 2007, requires that states submit documentation to support flagging to the appropriate U.S. EPA Regional Office.

We are therefore formally requesting you concur that these exceedances are PM10 exceptional events and send us confirmation by letter. If you have any questions regarding the enclosed documentation, please contact Ms. Sylvia Zulawnick, Manager, Particulate Matter Analysis Section, at (916) 324-7163 or via email at [szulawni@arb.ca.gov](mailto:szulawni@arb.ca.gov).

Sincerely,

/s/

Karen Magliano, Chief  
Air Quality Data Branch  
Planning and Technical Support Division

Enclosures (2)

cc: See next page

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

---

California Environmental Protection Agency

Mr. Joseph Lapka  
December 22, 2009  
Page 2

cc: Elaine Chang, DrPH  
Deputy Executive Officer  
Planning, Rule Development and Area Sources  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, California 91765-4178

Ms. Sylvia Zulawnick, Manager  
Air Quality Data Branch  
Planning and Technical Support Division

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**PLANNING, RULE DEVELOPMENT, AND AREA SOURCES**



---

**ANALYSIS OF EXCEPTIONAL EVENTS  
CONTRIBUTING TO HIGH PM<sub>10</sub> CONCENTRATIONS  
IN THE SOUTH COAST AIR BASIN ON OCTOBER 21, 2007**

---

**Final Report  
July 24, 2009**

Authors

Kevin R. Durkee  
Senior Meteorologist

Shoreh Cohanin  
Air Quality Specialist

Reviewed By:

Michael Laybourn, Air Quality Specialist  
Tracy A. Goss, P.E., Program Supervisor, PM Strategies  
Joseph C. Cassmassi, Planning and Rules Manager  
Elaine Chang, Deputy Executive Officer



# TABLE OF CONTENTS

<b>TABLE OF CONTENTS .....</b>	<b>i</b>
<b>List of Figures .....</b>	<b>ii</b>
<b>List of Tables .....</b>	<b>ii</b>
<b>1 INTRODUCTION .....</b>	<b>1</b>
1.1 Purpose .....	1
1.2 Organization of this Document .....	4
1.3 Exceptional Events Rule Background .....	5
1.4 Geographic Setting .....	7
1.5 Regulatory Measures .....	11
1.6 Historical Perspective of PM10 in the South Coast Air Basin .....	12
<b>2 HIGH WIND AND WILDFIRE EXCEPTIONAL EVENT ANALYSIS .....</b>	<b>19</b>
2.1 Event Summary: October 21, 2007 .....	19
Flagging of Data .....	19
Exceptional Event Criteria Summary .....	20
Affects Air Quality .....	20
Is Not Reasonably Controllable or Preventable .....	21
Was a Natural Event .....	22
Causal Connection .....	23
Concentration was in Excess of Normal Historical Fluctuations .....	23
The “But For” Test .....	24
Reasonable Measures .....	25
Public Notification .....	26
Checklist of Exceptional Event Requirements .....	26
2.2 Detailed Event Analysis .....	27
PM Summary .....	27
Meteorological Setting .....	41
Wildfire Analysis .....	44
Windblown Dust Analysis .....	47
Conclusion .....	58

## LIST OF FIGURES

Figure 1-1 .....	8
Figure 1-2 .....	9
Figure 1-3 .....	10
Figure 1-4 .....	10
Figure 1-5 .....	13
Figure 1-6 .....	17
Figure 2-1 .....	32
Figure 2-2 .....	48
Figure 2-3 .....	49
Figure 2-4 .....	55

## LIST OF TABLES

Table 1-1 .....	2
Table 1-2 .....	2
Table 1-3 .....	3
Table 1-4 .....	14
Table 1-5 .....	15
Table 2-1 .....	27
Table 2-2 .....	29
Table 2-3 .....	31
Table 2-3 (continued).....	32
Table 2-4 .....	33
Table 2-4 (continued).....	34
Table 2-5 .....	36
Table 2-6 .....	37
Table 2-7 .....	38
Table 2-8 .....	40
Table 2-9 .....	44
Table 2-10 .....	57

# **ANALYSIS OF EXCEPTIONAL EVENTS CONTRIBUTING TO HIGH PM<sub>10</sub> CONCENTRATIONS IN THE SOUTH COAST AIR BASIN ON OCTOBER 21, 2007**

## **1 INTRODUCTION**

### **1.1 Purpose**

This document substantiates the request by the South Coast Air Quality Management District (AQMD) to flag violations of the 150  $\mu\text{g}/\text{m}^3$  PM<sub>10</sub> 24-hour National Ambient Air Quality Standard (NAAQS) in the South Coast Air Basin (Basin) as exceptional events under the U.S. Environmental Protection Agency (EPA) Regulation for the Treatment of Data Influenced by Exceptional Events (40 CFR, sections 50.1 & 51.14)<sup>1</sup>. Natural events caused exceedances of the federal standard at eleven Federal Reference Method (FRM) size-selective inlet (SSI) filter monitors on Sunday, October 21, 2007. The measured PM<sub>10</sub> was primarily crustal material from windblown dust due to very strong Santa Ana wind event throughout southern California that started the previous day and continued for several days. The high wind event fanned numerous wildfires throughout southern California that were not fully controlled for nearly three weeks. While the wildfires on October 20 and 21 also contributed smoke and ash to the measured PM<sub>10</sub> exceedances, the PM<sub>2.5</sub> 24-hour NAAQS was not exceeded with the AQMD FRM filter samplers until the days following October 21. The PM<sub>2.5</sub> measurements were influenced by smoke for two weeks following October 21; these PM<sub>2.5</sub> exceptional events will be addressed in a separate document. The PM<sub>10</sub> NAAQS violations on October 21 occurred at the 11 routine air monitoring stations listed below in Table 1-1.

---

<sup>1</sup> EPA 2007. Treatment of Data Influenced by Exceptional Events; Final Rule. 40 CFR Parts 50 and 51; Federal Register Vol. 72, No. 55; March 22, 2007. <http://www.smartpdf.com/register/2007/Mar/22/13560A.pdf>



**TABLE 1-1****PM10 NAAQS Violations at AQMD Routine FRM PM10 Monitors on October 21, 2007**

<b>FRM Monitoring Station</b>	<b>AQS Site Code</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>
Perris	060656001	1212
Riverside – Rubidoux	060658001	559
Anaheim	060590007	489
Norco	060650003	332
Fontana	060712002	276
Ontario Fire Station	060710025	275
North Long Beach	060374002	232
San Bernardino	060719004	219
Santa Clarita	060376012	167
South Long Beach <sup>2</sup>	060374004	432

In addition, PM10 NAAQS violations were recorded at several special purpose Size-Selective Inlet (SSI) filter monitors that were part of the Port of Los Angeles/Long Beach study and at Mira Loma High School. While these special study data have not been submitted to AQS to date, they should be flagged if submitted. The exceeding Port Study stations are shown in Table 1-2.

**TABLE 1-2****PM10 NAAQS Violations at AQMD Special Purpose FRM PM10 Monitors on October 21, 2007**

<b>Special Purpose Station</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>
Wilmington	207
South Wilmington	262
Long Beach – Anaheim Street	262
Hudson Street School	251
Del Amo	203
Mira Loma High School <sup>3</sup>	681

<sup>2</sup> The South Long Beach Station FRM PM10 data was invalidated and has not been submitted to AQS to date. It is included in this analysis for completeness but it will not need to be flagged if not submitted.

<sup>3</sup> The Mira Loma High School (Jurupa) station has been replaced by the Mira Loma – Van Buren station (AQS Site Code 060658005). The Mira Loma – Van Buren PM10 sample was not valid on October 21 due to a power failure after 10 hours of the run. The Mira Loma High School station was operational at this time as a temporary special purpose site and the PM10 data has not been submitted to AQS to date. It is included in this analysis for completeness and this data should be flagged if it is submitted.

To date, AQMD has not submitted PM10 from Beta Attenuation Monitor (BAM) or Tapered Element Oscillating Microbalance (TEOM) instruments to the EPA Air Quality System (AQS) database.<sup>4</sup> Several TEOM PM10 measurements for the midnight-to-midnight 24-hour averages that exceeded the PM10 NAAQS on October 21, are shown in Table 1-3. If submitted to AQS in the future, these exceedances should also be flagged.

**TABLE 1-3**

**PM10 NAAQS Violations at AQMD TEOM PM10 Monitors on October 21, 2007**

<b>Continuous Station</b>	<b>AQS Site Code</b>	<b>Monitor</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>
North Long Beach	060374002	TEOM	205
Riverside – Rubidoux	060658001	TEOM	559
Mira Loma – Van Buren	060658005	TEOM	681
Lake Elsinore	060659001	TEOM	382
San Bernardino	060719004	TEOM	171

These violations occurred due to particulate matter primarily from high winds occurring on October 21, 2007 throughout the Basin. AQMD has submitted the PM10 data from these monitors on this day to the EPA Air Quality System (AQS) database and has placed the appropriate flags on the data indicating that the data was affected by exceptional events due to high winds. This flagging indicates that the ambient air quality data was influenced by the windblown dust and subsequent wildfire related emissions and insures that the data is properly represented in the regulatory process.

<sup>4</sup> The AQMD has only used the BAM and TEOM PM10 and PM2.5 measurements for forecasting purposes and public notification of PM events. While EPA accepts these measurements as an equivalent federal reference method (FEM), these instruments have not historically been relied upon for determining NAAQS compliance in the South Coast Air Basin or the Coachella Valley.

## **1.2 Organization of this Document**

This document is designed to provide summary information to the public as well as the specific detailed analyses to meet the requirements of Exceptional Events Rule. Section 1, Introduction, describes the purpose, exceptional event criteria, background of the Exceptional Event Rule and background information related to high wind events in the Basin, including:

- the geographic setting;
- the regulatory measures, showing that continuing reasonable controls are in effect in the Basin and that ongoing public education programs and event forecasting and notification plans are in place;
- an overview of high PM<sub>10</sub> events in the Basin, including a historical perspective of PM<sub>10</sub> exceptional events.

Section 2 describes the analysis of each PM<sub>10</sub> NAAQS violation on October 21, 2007 that occurred due to high winds and wildfires. For each exceedance, the Event Summary section summarizes the PM<sub>10</sub> measurements and conditions that caused the NAAQS violation and documents how the natural event/episode satisfies the criteria of the Exceptional Events Rule, that is,

- Affects Air Quality; and
- Is Not Reasonable Controllable or Preventable;
- Is either a natural event or an event caused by human activity that is unlikely to recur at a particular location.

Further discussion in the Event Summary includes:

- the causal connection between the high wind/wild fire events and the measured PM<sub>10</sub>;
- how the measured concentration was in excess of the normal historical fluctuations, including background;
- how there would have been no exceedance “but for” the high wind/wildfire event (the “But For” Test);
- that reasonable measures to control PM<sub>10</sub> were in effect on the event day and how a public notification and education process was implemented to warn the public before and during the event through forecasts, advisories and real-time air quality data.

Following the Event Summary section, the Detailed Event Analysis describes the analysis that led to the conclusions presented in the Event Summary section, including:

- a summary of the particulate measurements;
- the meteorological setting;
- conclusions.

Supporting materials for the October 21, 2007 PM10 analysis beyond what is included in the Section 2 are provided in a separate Appendix. This includes: meteorological measurements; National Weather Service (NWS) forecast discussions, nowcasts, wind advisories and significant wind reports; National Climatic Data Center (NCDC) weather event records; satellite smoke text products; news articles and web links; a wildfire summary map and AQMD windblown dust and smoke advisories.

### **1.3 Exceptional Events Rule Background**

Since 1977, EPA has implemented policies to address the treatment of ambient air quality monitoring data that has been affected by exceptional or natural events. In July 1986, EPA issued a document entitled *Guideline on the Identification and Use of Air Quality Data Affected by Exceptional Events*, introducing a flagging system to identify air quality measurements influenced by exceptional events that, if left unidentified, could lead to possible misinterpretation or misuse of the data. In 1996, EPA developed a guidance document entitled *Areas Affected by PM-10 Natural Events*, which provided criteria and procedures for States to request special treatment (i.e., flagging for exclusion from standard compliance consideration) for data affected by natural events (e.g., wildfire, high wind events, and volcanic and seismic activities). EPA approved several requests made by AQMD, through the California Air Resources Board (CARB), to apply the Natural Events Policy in order to flag violations of the 24-Hour PM10 NAAQS in the Coachella Valley for natural events that involved uncontrollable high winds. Air quality has continued to improve through implementation of best available control technologies, required by AQMD rules. AQMD also protects the public through the issuance of area-specific air quality forecasts and episode notifications in the South Coast Air Basin and the portions Riverside County under AQMD jurisdiction in the Salton Sea Air Basin (Coachella Valley) and the Mojave Desert Air Basin.

On March 14, 2007, EPA promulgated a formal rule, entitled: *The Treatment of Data Influenced by Exceptional Events*, known as the Exceptional Events Rule. Exceptional events are unusual or naturally occurring events that can affect air quality but are not reasonably controllable or preventable using techniques that tribal, state or local air agencies may implement in order to attain and maintain the NAAQS. These events are flagged in the EPA AIR Quality Subsystem (AQS) database as exceptional events. The data remains available to the public but are not counted toward attainment status. The EPA rulemaking:

- ensures that air quality measurements are properly evaluated and characterized with regard to their causes;

- identifies reasonable actions that should be taken to address the air quality and public health impacts caused by these types of events;
- avoids imposing unreasonable planning requirements on state, local and tribal air quality agencies related to violations of the NAAQS due to exceptional events;
- ensures that the use of air quality data, whether afforded special treatment or not, is subject to full public disclosure and review.

The Exceptional Events Rule does not require States to submit formal mitigation plans; however, States must provide public notice, public education, and must provide for implementation of reasonable measures to protect public health when an event occurs. While AQMD had requested flagging of data influenced by natural events in the Coachella Valley, in the Salton Sea Air Basin, AQMD had not previously requested flagging of PM10 data in the South Coast Air Basin, prior to three events in 2007. In addition to this event on October 21, 2007, two other PM10 exceptional events that occurred in the Basin in 2007 are also being submitted: April 12 (high wind) and July 5 (fireworks).

In the preamble of the Exceptional Event Rule, EPA specifically includes both *High Wind Events* and *Wildland Fires* in the list of examples of exceptional events, classified as *Natural Events*. The Rule defines Natural Events as follows:

*It is important to note that natural events, which are one form of exceptional events according to this definition, may recur, sometimes frequently (e.g., western wildfires). For the purposes of this rule, EPA is defining “natural event” as an event in which human activity plays little or no direct causal role to the event in question. We recognize that over time, certain human activities may have had some impact on the conditions which later give rise to a “natural” air pollution event. However, we do not believe that small historical human contributions should preclude an event from being deemed “natural.”*

The Rule defines wildland fires, including wildfire, wildland fire use and prescribed fire, as follows:

*Federal land managers have afforded recognition to several different types of wildland fires (i.e., wildfire, wildland fire use fire and prescribed fire), depending on their causal circumstances and the role that such fires play in the affected ecosystems. Prescribed fire is addressed more fully in the following section. The question of what is a natural versus an anthropogenic fire has particular significance when considering the impacts of wildland fires (wildfire, wildland fire use fire and prescribed fire) on air quality and how these impacts should be regarded under this rule. A “wildfire” is defined as an unplanned, unwanted wildland fire (such as a fire caused by lightning), and include unauthorized human-caused fires (such as arson or acts of carelessness by campers), escaped*

*prescribed fire projects (escaped control due to unforeseen circumstances), where the appropriate management response includes the objective to suppress the fire. In contrast, a “wildland fire use” fire is the application of the appropriate management response to a naturally ignited (e.g., as the result of lightning) wildland fire to accomplish specific resource management objectives in predefined and designated areas where fire is necessary and outlined in fire management or land management plans. Using these definitions, we believe that both wildfires and wildland fire use fires fall within the meaning of “natural events” as that term is used in section 319. Therefore, ambient particulate matter and ozone concentrations due to smoke from a wildland fire will be considered for treatment as an exceptional event if the fire is determined to be either a wildfire or wildland fire use fire.*

## **1.4 Geographic Setting**

Southern California’s South Coast Air Basin (Basin), shown in Figures 1-1 and 1-2, consists of 10,743 square miles and consists of Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino Counties. The population of the Basin is approximately 16 million people, with approximately 11 million gasoline powered vehicles and 300,000 diesel vehicles. The coastal plain contains most of the most of the population of the Basin, which is surrounded by tall mountains, including the San Gabriels to the north, the San Bernardinos to the northeast, and the San Jacintos to the east. The coastal range of the Santa Ana Mountains separates the inland part of Orange County from Riverside County. The proximity of the Pacific Ocean to the west has a strong influence on the climate, weather patterns and air quality of the Basin. The mountains also have a significant impact on the wind patterns of the Basin. Offshore winds flow down slope and are warmed and dried by compressional heating, gaining momentum through the passes and canyons. Northeasterly winds, known as Santa Ana winds, typically account for the highest wind events in the Basin, occurring several times each year.

Figure 1-3 shows the general locations exceeding the PM10 NAAQS on October 21, 2007. These areas of the Basin are located primarily below canyons and passes where the Santa Ana winds are strongest and windblown dust is generated. Figure 1-4 shows the PM10 monitors in the Basin, including the 24-hour FRM SSI samplers and the continuous Beta Attenuation Monitor (BAM) and Tapered Element Oscillating Microbalance (TEOM) samplers.

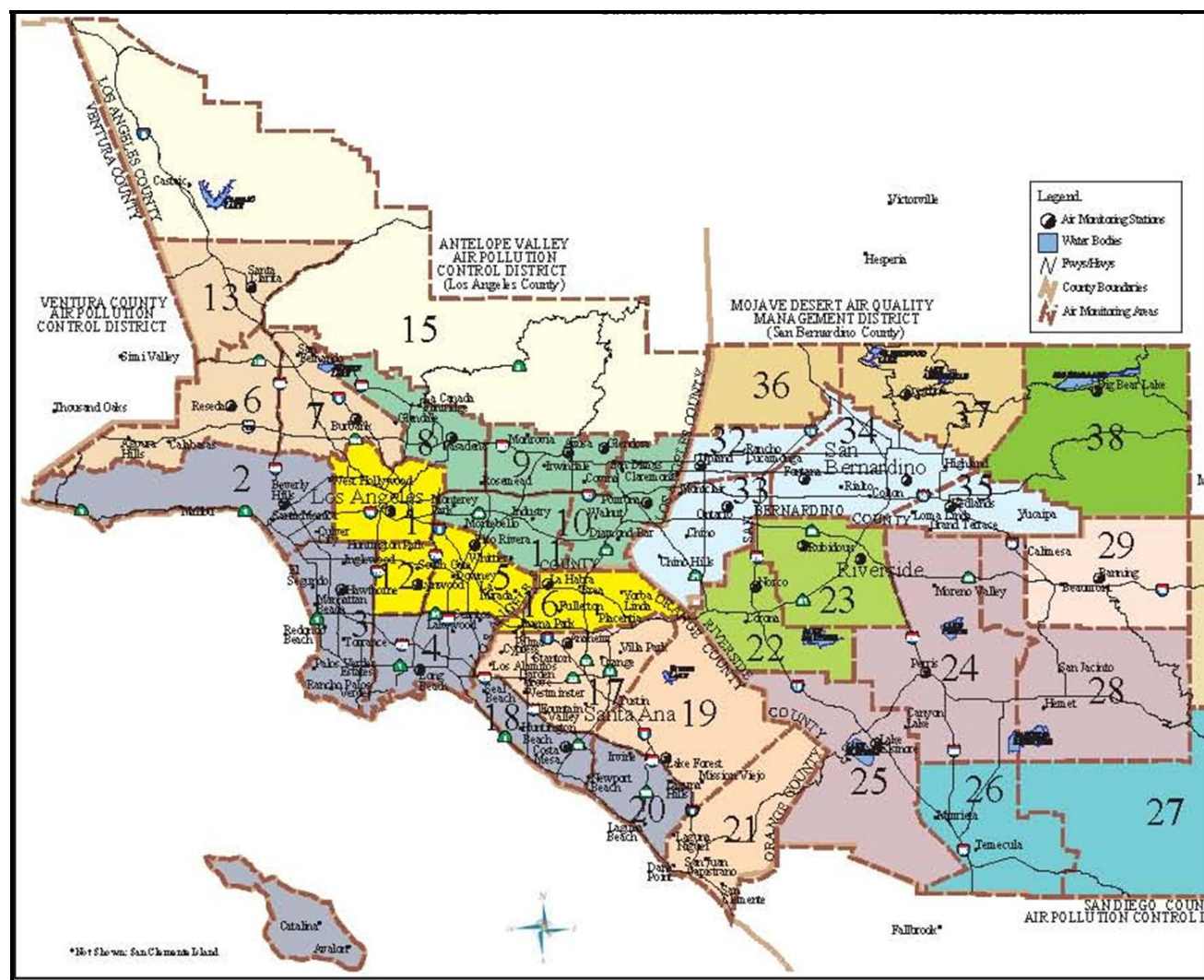


FIGURE 1-1

Map of the South Coast Air Basin Showing Air Monitoring Stations and Forecast Areas

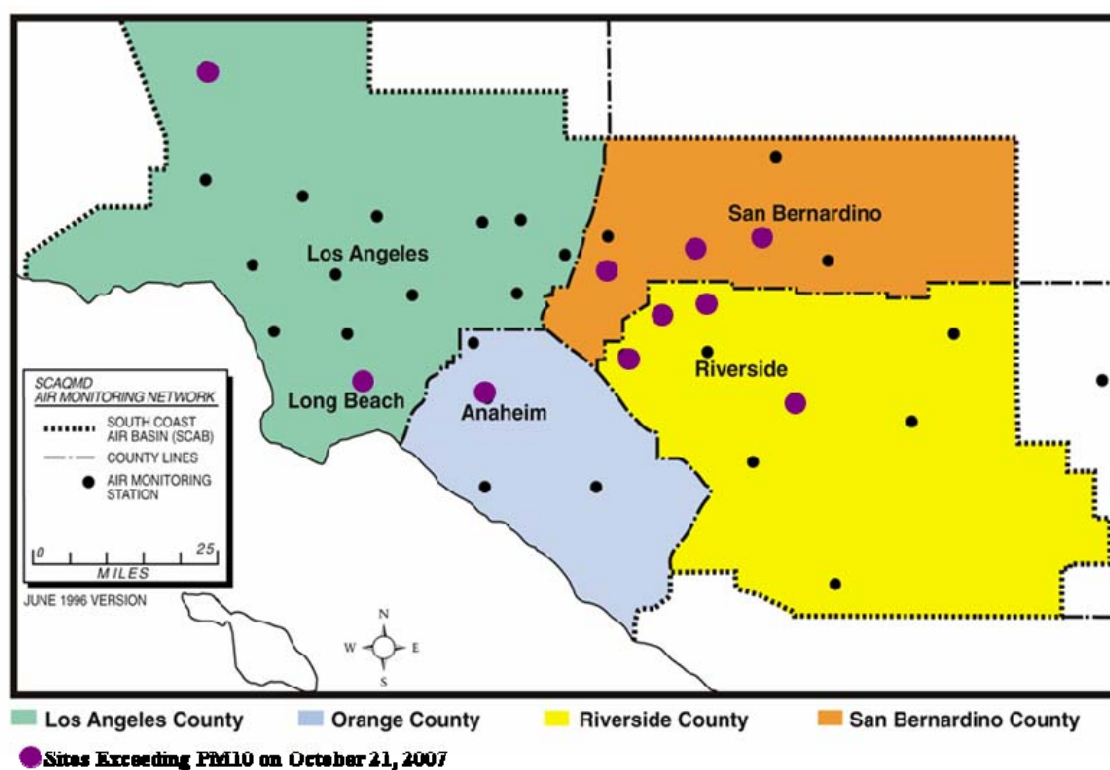




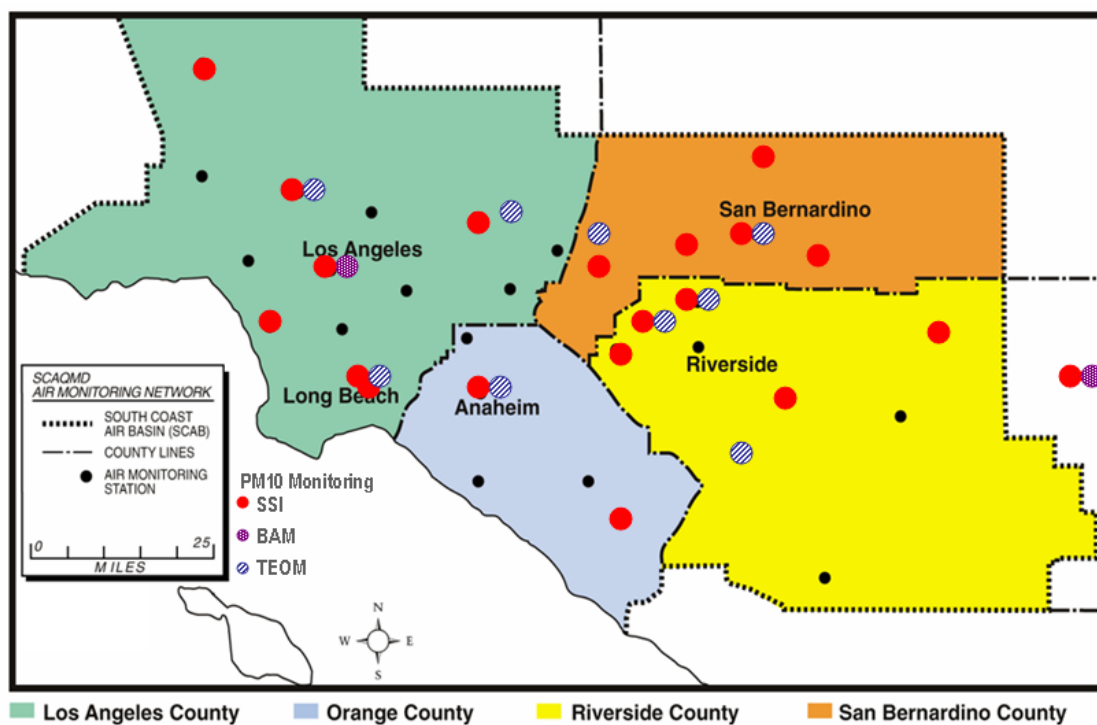
**FIGURE 1-2**

**Map of South Coast Air Basin with Selected Cities and Topography**





**FIGURE 1-3**  
**Map of South Coast Air Basin Monitoring Sites**  
**Showing the Sites Exceeding the PM10 Standard on October 21, 2007**



**FIGURE 1-4**  
**Map of South Coast Air Basin PM10 Monitors**

## **1.5 Regulatory Measures**

AQMD has implemented regulatory measures to control emissions from fugitive dust sources and open burning in the South Coast Air Basin. Implementation of Best Available Control Measures (BACM) in the Basin has been carried out through AQMD Rule 403 (Fugitive Dust), as well as source-specific rules. With its approvals of the South Coast PM10 Attainment Plans in the State Implementation Plan (SIP), EPA has concluded that this control strategy represents BACM and Most Stringent Measures (MSM) for each significant source category, and that the implementation schedule was as expeditious as practicable.

AQMD Rule 403 establishes best available fugitive dust control measures to reduce fugitive dust emissions associated with agricultural operations, construction/demolition activities (including grading, excavation, loading, crushing, cutting, planing, shaping or ground breaking), earth-moving activities, track-out of bulk material onto public paved roadways, and open storage piles or disturbed surface areas.

AQMD Rule 1156, Further Reductions of Particulate Emissions from Cement Manufacturing Facilities, is a source-specific rule that applies to all operations, including material handling, storage and transport at cement manufacturing facilities. It restricts visible emissions from facility operations, open piles, roadways and unpaved areas and requires enclosed systems for loading, unloading and transfer of materials. Other operations must employ wind fencing and wet suppression systems or be enclosed with permitted control equipment.

AQMD Rule 1157, PM10 Emissions Reductions from Aggregate and Related Operations, is a source-specific rule applicable to all permanent and temporary aggregate and related operations that produce sand, gravel, crushed stone or quarried rocks. Like Rule 1156, this rule restricts the discharge of fugitive dust emissions into the atmosphere through plume opacity tests and limiting visible plume travel to within 100 feet of the operation. This rule requires: prompt removal of material spillage; stabilization of piles with dust suppressants; the control of loading, unloading, transferring, conveyors, and crushing or screening activities with dust suppressants or other control methods; stabilization of unpaved roads, parking and staging areas; sweeping of paved roads; and the use of track-out control systems.

AQMD Rule 1158, Storage, Handling, and Transport of Coke, Coal and Sulfur, is a source-specific rule that applies to any facility that produces, stores, handles, transports or uses these materials. This rule restricts visible emissions and requires that piles be maintained in enclosed storage and that unloading operations be conducted in enclosed structures with water spray systems or venting to permitted air pollution control equipment. It also has specific requirements to control emissions from roadways, other facility areas, and conveyors and the loading of materials.

AQMD Rule 1186, PM10 Emissions from Paved and Unpaved Roads and Livestock Operations, requires rapid removal of paved road dust accumulations and establishes a treatment schedule for unpaved roads, street sweeper procurement standards, and design standards for new road construction. AQMD Rule 1186.1, Less-Polluting Sweepers, requires procurement of alternative-fueled equipment when governmental agencies replace street sweepers.

AQMD Rule 444, Open Burning, ensures that open burning is conducted in a manner that minimizes emissions and impacts, and that smoke is managed to protect public health and safety. This rule requires authorization for agricultural and prescribed fire, limited to days that are predicted to be meteorologically conducive to smoke dispersion and that will not contribute to air quality that is unhealthy for sensitive groups or worse. It also restricts residential and waste burning.

AQMD Rule 445, Wood Burning Devices, reduces pollution from wood-burning fireplaces and other devices through requirements for new construction, curtailment of wintertime wood burning in specified areas when poor air quality is forecast and restriction of the sale of unseasoned firewood. The AQMD Healthy Hearths program provides public education on how to reduce air pollution from wood burning and encourages the conversion to natural gas burning fireplaces through an incentive program.

## **1.6 Historical Perspective of PM10 in the South Coast Air Basin**

Figure 1-5 shows the 2007 time series of maximum 24-hour average FRM SSI PM10 concentrations for the monitoring stations that exceeded the  $150 \mu\text{g}/\text{m}^3$  NAAQS on October 21, 2007, in the Basin. These sites show a very prominent peak on October 21, overall, even with the peak value of  $1212 \mu\text{g}/\text{m}^3$  not included in the plot. Two other days in 2007 had PM10 concentrations exceeding the federal standard, April 12 and July 5.

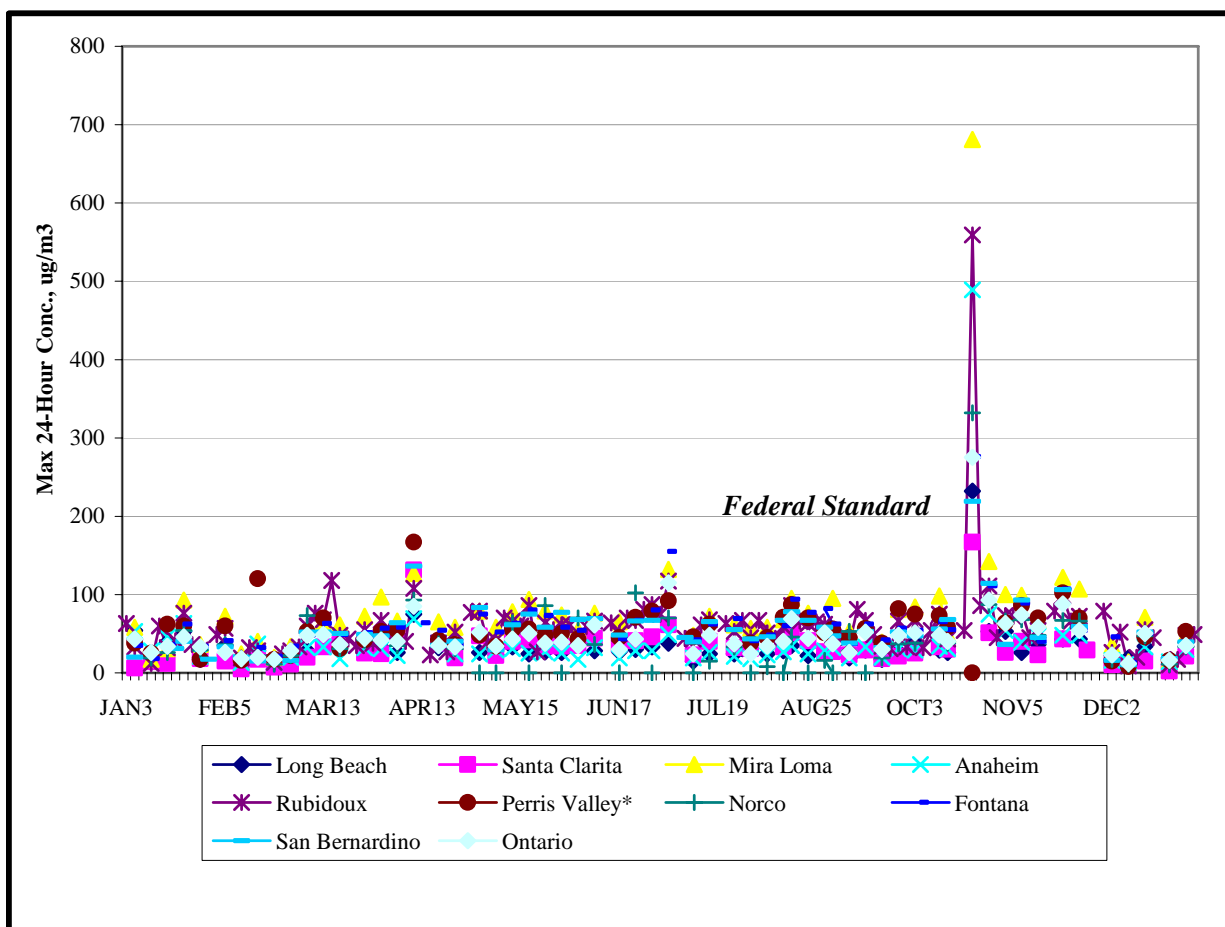


FIGURE 1-5

**2007 Time Series of Daily Maximum 24-Hour FRM SSI PM10 ( $\mu\text{g}/\text{m}^3$ ) for South Coast Air Basin Stations Exceeding the PM10 NAAQS on October 21, 2007**

Table 1-4 summarizes the days with high PM10 in the South Coast Air Basin, defined as days exceeding  $150 \mu\text{g}/\text{m}^3$ , between January 1, 2000 and December 31, 2008. The events prior to 2007 were not flagged for exclusion under the EPA Natural Events Policy, except for August 17, 2001 at Banning Airport which was flagged as a high wind natural event along with the Coachella Valley stations (Indio and Palm Springs) due to thunderstorm winds. All the 24-hour PM10 NAAQS violations that occurred in 2007 have been flagged as requesting exclusion under the EPA Exceptional Events Policy. Since 2000, no 24-hour NAAQS violations occurred in the South Coast Air Basin that

were not associated with strong winds, wildfire or fireworks events. Throughout the nine-year period, seven days exceeded the  $150 \mu\text{g}/\text{m}^3$  NAAQS concentration at air monitoring stations in the Basin, for an overall average of just under 0.8 violations per year basin-wide. Except for the exceedances on July 5, 2003 and July 5, 2007, related to fireworks, all NAAQS violations in the Basin were associated with high wind events, several of which fanned large wildfires.

**TABLE 1-4**

**Historical Summary of South Coast Air Basin FRM SSI PM10 24-Hour High Concentrations Exceeding  $150 \mu\text{g}/\text{m}^3$  between January 1, 2000 and December 31, 2008 with Primary Causal Event**

<b>Event Date*</b>	<b>Station</b>	<b>FRM PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Cause</b>
January 2, 2001	Ontario Fire Station	<b>166</b>	High Winds
August 17, 2001	Banning Airport	<b>219</b>	High Wind Natural Event**
July 5, 2003	Rubidoux	<b>159</b>	Fireworks
October 27, 2003	Rubidoux	<b>164</b>	High Winds/Wildfire
April 12, 2007	Perris	<b>167</b>	High Winds**
July 5, 2007	Azusa	<b>165</b>	Fireworks**
July 5, 2007	Fontana	<b>155</b>	Fireworks**
October 21, 2007	Perris	<b>1212</b>	High Winds/Wildfire**
October 21, 2007	Mira Loma	<b>681</b>	High Winds/Wildfire**
October 21, 2007	Rubidoux	<b>559</b>	High Winds/Wildfire**
October 21, 2007	Anaheim	<b>489</b>	High Winds/Wildfire**
October 21, 2007	South Long Beach	<b>432</b>	High Winds/Wildfire**
October 21, 2007	Norco	<b>332</b>	High Winds/Wildfire**
October 21, 2007	Fontana	<b>276</b>	High Winds/Wildfire**
October 21, 2007	Ontario Fire Station	<b>275</b>	High Winds/Wildfire**
October 21, 2007	North Long Beach	<b>232</b>	High Winds/Wildfire**
October 21, 2007	San Bernardino	<b>219</b>	High Winds/Wildfire**
October 21, 2007	Santa Clarita	<b>167</b>	High Winds/Wildfire**

\* 1-in-6 day FRM SSI sampling for all stations except 1-in-3 day sampling at Rubidoux.

\*\* All 2007 events have been flagged by AQMD under the Exceptional Events Rule. Prior events in the South Coast Air Basin were not flagged due to ongoing violation of the now-revoked annual PM10 NAAQS, except August 17, 2001 at Banning which was flagged along with Coachella Valley stations during a thunderstorm-related high wind natural event.

Perris recorded the highest PM10 concentration ( $1212 \mu\text{g}/\text{m}^3$ ) on October 21, 2007. This station only exceeded on two days during the period shown in Table 1-4, both in 2007. This was the highest FRM 24-hour PM10 concentration measured anywhere in the Basin since PM10 monitoring started in 1985. In over 21 years since PM10 sampling began at Perris in October 1987, Perris exceeded the PM10 standard on six days, as are shown in Table 1-5. Thus, Perris exceeds the standard once in every 3.5 years on average. However, the first four exceedances occurred in the early years of the PM control program, so in the 18 years starting in 1991, only two exceedances occurred at Perris (one exceedance every 9 years, on average).

**TABLE 1-5**  
**Historical Summary of FRM PM10 NAAQS Violations at Perris**  
**between October 6, 1987 and December 31, 2008**

Event Date	SSI PM10 ( $\mu\text{g}/\text{m}^3$ )
October 24, 1988	164
October 13, 1989	187
February 28, 1990	180
November 7, 1990	250
April 12, 2007	167
October 21, 2007	1212

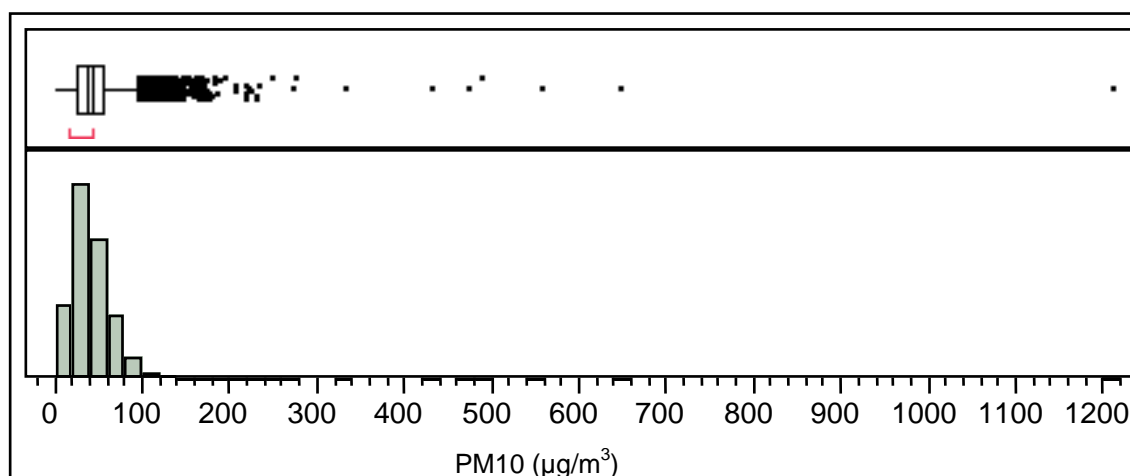
The FRM PM10 measurement recorded at Mira Loma ( $681 \mu\text{g}/\text{m}^3$ ) on October 21, 2007 was the highest on record for this station and this was the only day to exceed the federal standard. This is the second highest concentration ever recorded in the Basin, after the Perris measurement on the same day. The concentration of  $559 \mu\text{g}/\text{m}^3$  measured at Riverside-Rubidoux, historically the Basin maximum station, was the highest recorded at that station. The second highest concentration at Rubidoux was  $294 \mu\text{g}/\text{m}^3$  (10/28/86). Rubidoux exceeded the federal 24-hour standard on 34 days since sampling began in 1985, but only exceeded that standard on three days since 2000. The measured concentration at Anaheim,  $489 \mu\text{g}/\text{m}^3$ , was the highest 24-hour PM10 on record for that station and one of only three exceedances since 1985 ( $158 \mu\text{g}/\text{m}^3$  on 10/8/90 and  $172 \mu\text{g}/\text{m}^3$  on 12/5/95). The concentration measured at South Long Beach,  $432 \mu\text{g}/\text{m}^3$ , was the highest recorded at that station since measurements began in August 2003 and this was the only day to exceed the federal standard.

At Norco the measured  $332 \mu\text{g}/\text{m}^3$  was the highest on record and one of only 5 days exceeding the federal standard since measurements started at that station in 1993 ( $177 \mu\text{g}/\text{m}^3$  on 12/5/95,  $164 \mu\text{g}/\text{m}^3$  on 12/9/93,  $163 \mu\text{g}/\text{m}^3$  on 11/23/95 and  $158 \mu\text{g}/\text{m}^3$  on 10/31/97). This was the only exceedance at that station in over 10 years. Since

measurements began at Fontana in October 1985, the concentration of  $276 \mu\text{g}/\text{m}^3$  measured on October 21, 2007 was the third highest recorded ( $475 \mu\text{g}/\text{m}^3$  on 10/8/90 and  $287 \mu\text{g}/\text{m}^3$  on 10/24/88). While 17 days exceeded the federal standard at Fontana during the period of record, only two days violated the NAAQS since December 1995, both in 2007 on October 21 (present event) and July 5 ( $155 \mu\text{g}/\text{m}^3$  due to a fireworks exceptional event). The Ontario Fire Station only measured three exceedances of the federal standard since measurements began in December of 1998, the highest of which was October 21, 2007 ( $275 \mu\text{g}/\text{m}^3$ ). The other two exceedances occurred in May of 1999 ( $183 \mu\text{g}/\text{m}^3$ ) and January of 2001 ( $166 \mu\text{g}/\text{m}^3$ ), making this the only exceedance at that station in over 8 years.

The PM10 concentration of  $232 \mu\text{g}/\text{m}^3$  measured on October 21 was the only 24-hour PM10 NAAQS exceedance at the North Long Beach station since measurements began in January 1985. The measured value of  $219 \mu\text{g}/\text{m}^3$  from San Bernardino was the sixth highest concentration since measurements started on May of 1986, with a peak concentration of  $289 \mu\text{g}/\text{m}^3$  measured on October 24, 1988. The exceedance on October 21, 2007 was the only NAAQS violation at San Bernardino since November 1991. The PM10 concentration measured at Santa Clarita on October 21, 2007,  $167 \mu\text{g}/\text{m}^3$ , was the only PM10 24-hour NAAQS violation at that station since measurement began in April of 2001.

Figure 1-6 shows the distribution of all Federal Reference Method (FRM) Size-Selective Inlet (SSI) PM10 measurements for South Coast Air Basin air monitoring stations from January 1990 through June 2008. The plotted values (black squares) are considered statistical outliers. Concentrations above the 97.5 percentile value ( $101 \mu\text{g}/\text{m}^3$  and above) are above the normal range of data for the Basin. Therefore, any value that exceeds the 24-hour federal PM10 standard of  $150 \mu\text{g}/\text{m}^3$  is well outside the normal range of data and is above the 99.5 percentile value ( $139.5 \mu\text{g}/\text{m}^3$ ).



Quantiles		PM10 (µg/m <sup>3</sup> )
100.0%	maximum	1212.0
99.5%		139.5
97.5%		101.0
90.0%		73.0
75.0%	quartile	54.0
50.0%	median	38.0
25.0%	quartile	26.0
10.0%		16.0
2.5%		10.0
0.5%		5.0
0.0%	minimum	0.0

Moments	PM10 (µg/m <sup>3</sup> )
Mean	42.472396
Std Dev	26.819924
Std Err Mean	0.1930991
upper 95% Mean	42.850887
lower 95% Mean	42.093905
N	19291

**FIGURE 1-6**

**Distribution of SSI PM10 Concentrations throughout the South Coast Air Basin  
from January 1990 through June 2008**

(Square symbols show statistically outlying PM10 concentrations)





## **2 HIGH WIND AND WILDFIRE EXCEPTIONAL EVENT ANALYSIS**

### **2.1 Event Summary: October 21, 2007**

Violations of the PM10 NAAQS were recorded at the South Coast Air Basin monitoring stations on October 21, 2007, due to high wind and wildfire. The 24-hour mass concentration at each site was measured with a federal reference method (FRM) size-selective inlet (SSI) filter-based PM10 sampler. The PM10 NAAQS violations occurred at the following 11 air monitoring stations: Perris (1212  $\mu\text{g}/\text{m}^3$ ), Mira Loma (681  $\mu\text{g}/\text{m}^3$ ), Riverside-Rubidoux (559  $\mu\text{g}/\text{m}^3$ ), Anaheim (489  $\mu\text{g}/\text{m}^3$ ), South Long Beach (432  $\mu\text{g}/\text{m}^3$ ), Norco (332  $\mu\text{g}/\text{m}^3$ ), Fontana (276  $\mu\text{g}/\text{m}^3$ ), Ontario Fire Station (275  $\mu\text{g}/\text{m}^3$ ), North Long Beach (232  $\mu\text{g}/\text{m}^3$ ), San Bernardino (219  $\mu\text{g}/\text{m}^3$ ), and Santa Clarita (167  $\mu\text{g}/\text{m}^3$ ). In addition, PM10 NAAQS violations were recorded at five temporary special study FRM filter samplers that were part of the Port of Los Angeles/Long Beach study and at five TEOM monitors that have not been submitted to AQS at this time. This event meets the criteria for high wind natural events as defined in the EPA Exceptional Events Rule.

A strong Santa Ana wind event developed on October 21, causing extremely high northerly through easterly winds in the mountains and deserts, especially through and below the wind-favored passes and canyons in the Basin. National Weather Service (NWS) weather stations measured extremely high peak wind gusts throughout the day in areas near or upwind of the high AQMD PM10 stations, including: 108 mph by in the mountains areas of Los Angeles County, 85 mph in the Santa Ana Mountains of Orange County; 78 mph near Santa Clarita, 74 mph in Rancho Cucamonga; 67 mph in Rialto; 64 mph in Malibu, 63 mph at Ontario, 49 mph in Corona; and 40 mph in Van Nuys.

Due to the widespread winds, sources of the windblown dust were both natural areas, particularly in the mountains and deserts, and BACM-controlled anthropogenic sources. The timing of the this event is verified with the high wind observations and reports of reduced visibility and blowing sand and dust, in conjunction with the hourly TEOM PM10 measurements data from nearby monitors in the Basin, when available. With the weight of evidence provided, AQMD concludes that the PM10 exceedances would not have occurred without the high winds and wind-entrained dust.

#### **Flagging of Data**

AQMD has submitted the PM10 data from this monitor to the EPA AQS database and has placed the appropriate flags on the data indicating that the data was affected by exceptional events due to high winds (Flag RJ, requesting exclusion due to high winds). While wildfires also contributed to these exceedances, windblown dust was the primary

contributor to the measured PM<sub>10</sub>. Since only one flag can be submitted for each station exceedance, this is most appropriate for the PM<sub>10</sub> on this day. Such flagging ensures that the air quality data is properly represented in the overall air quality planning process.

### **Exceptional Event Criteria Summary**

40 CFR 50.1(j) of the Exceptional Events Regulation defines an exceptional event as an event that:

- affects air quality;
- is not reasonably controllable or preventable;
- is either an event caused by human activity that is unlikely to recur at a particular location or a natural event; and
- is determined by the EPA Administrator in accordance with the Exceptional Events Rule to be an exceptional event.

The following sections describe how the first three criteria are met for the October 21, 2007 high wind and wildfire natural events.

#### ***Affects Air Quality***

For an event to qualify as an exceptional event, it is necessary to show that the event affected air quality. This criterion can be met by establishing that the event is associated with a measured exceedance in excess of normal historical fluctuations, including background. The demonstration of a clear causal relationship is necessary to establish that the event affected air quality and is also a separate requirement.

The documentation provided herein for the October 21, 2007 natural event provides the required information to establish a causal connection between the high winds throughout southern California and the high PM<sub>10</sub> concentrations measured throughout the Basin. The exceptionally high 24-hour PM<sub>10</sub> concentrations in the Basin, to 1212 µg/m<sup>3</sup> at Perris, show that air quality was affected. As shown in Table 2-2, the 24-hour PM<sub>10</sub> concentrations were relatively low on the days before and after the high wind event. The hourly PM<sub>10</sub> concentrations in the Basin increased rapidly as the winds spiked in the morning, as is shown in Figure 2-1 and the wind observation tables (Appendix, A.1). As was shown previously in Section 1.6, in 18 years of analyzed data, high PM<sub>10</sub> concentrations exceeding the 24-hour NAAQS do not often occur in the Basin and fall into less than the top 0.5 percent of the data. In the past 7 years, all seven days with PM<sub>10</sub> 24-hour NAAQS violations in the Basin were due to exceptional events, including strong winds, wildfire and fireworks displays. The PM<sub>10</sub> measured at Perris on October 21 was the highest ever recorded at that station and in the entire south Coast Air Basin. The other exceeding stations

measured the highest concentrations ever recorded at that station except a couple locations that had not measured PM10 that high in many years.

Section 2.2, Detailed Event Analysis, includes meteorological data showing a clear correlation between strong, gusty winds and increased hourly PM10 in the Basin. The supporting documentation also includes a National Weather Service (NWS) forecasts and advisories of high winds and windblown dust, as well as National Climatic Data Center (NCDC) storm damage reports and newspaper accounts. The measured exceedances on October 21, 2007 are in excess of normal fluctuations, as is discussed further below.

***Is Not Reasonably Controllable or Preventable***

This requirement is met by demonstrating that despite reasonable and appropriate measures in place, the October 21, 2007 wind and wildfire event caused the NAAQS violation. During this event, there were no other unusual PM10-producing activities occurring in the Basin and anthropogenic emissions were approximately constant before, during and after the event. In addition, reasonable and appropriate measures were in place, as has been described in Section 1.5, Regulatory Measures. A Rule 403.1 High Wind Day forecast was issued by AQMD on October 21, requiring curtailment of dust-producing agricultural and construction activities and the use of mitigation measures on disturbed soil in the Coachella Valley. On October 21, PM2.5 measurements, as well as PM10 sulfate and nitrate measurements in the Basin, were relatively low, indicating primarily crustal material comprising the PM10 mass and not transported or locally generated urban pollution or combustion sources.

A survey of the AQMD complaint records and inspection reports for the Riverside and San Bernardino County portions of the Basin indicated no evidence of unusual particulate emissions on October 21, 2007, other than related to the windblown dust event. The complaints are summarized in Table 2-10 from the AQMD CLean Air Support System (CLASS) database for complaints and compliance actions. Due to the windy conditions, AQMD Compliance staff responded to 17 complaints related to windblown dust. Most were in San Bernardino and Riverside Counties and many were in the same two areas (Mira Loma and Beaumont). No Notices of Violation or Notices to Comply were issued in the Basin for fugitive dust violations on this day. The control methods were generally effective throughout the Basin, but were apparently overwhelmed in several instances by the strong, gusty winds, causing windblown dust and sand to be entrained in the atmosphere and to cross property lines.

Twelve wildfires were reported in the southern California on October 21, fanned by the strong, dry Santa Ana winds. Seven of these were within the Basin and the rest were in San Diego, Ventura and Santa Barbara Counties. The smoke and ash from

wildfires contributed to a small fraction of the PM<sub>10</sub> measured, with Santa Clarita and Anaheim experiencing the greatest fire impacts on this day. Crustal material from windblown dust was the primary component of the measured PM<sub>10</sub>, as confirmed by comparing the PM<sub>2.5</sub>, sulfate, nitrate and potassium analyses, as well as microscopy analyses of several filters from this day. Prescribed, agricultural or residential burning did not appear to have added any significant amount of PM<sub>10</sub> to the concentrations recorded in the Basin; these activities were not permitted on this day. The PM<sub>2.5</sub> portion of PM<sub>10</sub>, which would indicate combustion, was very small throughout the Basin. PM<sub>10</sub> was emitted from some BACM-controlled sources (mainly agricultural and construction activities) as BACM controls were locally overwhelmed by the high winds. Natural particulate source areas also contributed to the measured PM<sub>10</sub>, particularly the upwind mountain and desert areas.

### ***Was a Natural Event***

Ambient particulate matter concentrations due to dust being raised by unusually high winds will be treated as due to uncontrollable natural events where (1) the dust originated from non-anthropogenic sources, or (2) the dust originated from anthropogenic sources within the State that are determined to be reasonable well controlled at the time the event occurred, or from anthropogenic sources outside the State. Based on previous analyses of windblown dust in the Coachella Valley and the Basin, wind gusts over 22 mph are sufficient to entrain windblown dust in the atmosphere. In the preamble to the Exceptional Events Rule, EPA also explains states must provide appropriate documentation to substantiate why the level of wind speed associated with the event in question should be considered unusual for the affected area during the time of year that the event occurred. On average, the strong wind conditions that lead to PM<sub>10</sub> exceedances due to high wind natural events occur less than three times per year, for the entire South Coast Air Basin. EPA also notes in the Exceptional Event Rule that natural events (e.g., high winds, wildfires, etc.) may recur, sometimes frequently. The event on October 21, 2007 was a natural event in which human activity played little or no direct causal role. A portion of the wind-entrained dust originated from anthropogenic sources, including some agricultural operations and construction activities, that are well controlled in the Basin as described in Section 1.5, Regulatory Measures.

The analysis of the meteorological setting, including weather charts, pressure gradients and satellite imagery, indicates the potential for extremely strong winds in the Basin on October 21, 2007. Wind speeds in Los Angeles, Orange, San Bernardino and Riverside Counties, especially in the mountains and through the passes and canyons were very high on this day. Wind speeds upwind of the Perris, Mira Loma, Rubidoux, Anaheim, Long Beach, Norco, Fontana and Ontario air monitoring stations were particularly strong, causing very high PM<sub>10</sub> concentrations, peaking at 1212 at Perris. The exceeding stations are all downwind of the geographic

corridors for Santa Ana wind events, where windblown particulates are most likely. This first Santa Ana wind event of the season brought unusually strong winds. Soil moisture was very dry due to rainfall well below normal for the year, providing dust to blow and contributing to the wildfire potential. Sustained high wind speeds that were recorded at National Weather Service (NWS) weather stations reached: 48 mph at Sandberg in the Los Angeles County mountains; 34 mph at Chino Airport; 41 mph at Ontario Airport; 29 mph at Van Nuys Airport, Riverside Municipal Airport and March ARB; 26 mph at Long Beach Airport and Santa Ana/John Wayne Airport. Significantly higher wind gusts were also measured through the day with peak gusts to over 100 mph recorded in the mountains and to near 80 mph in the Basin. The weather observations support the presence of windblown dust through the day with blowing dust and visibilities as low as 1.5 miles reported. In addition, NWS forecast discussions and wind warnings, NCDC storm event record reports and newspaper articles also describe strong winds and blowing dust in southern California, providing substantial weight-of-evidence for the sequence of events.

### **Causal Connection**

This documentation shows a clear causal connection between the PM<sub>10</sub> measured at the AQMD air monitoring stations and the high winds throughout southern California upwind of those stations on October 21, 2007. The winds in the Basin increased in the morning, causing increased hourly PM<sub>10</sub>, as measured with the available TEOM PM<sub>10</sub> monitors. The causal connection is demonstrated by the dramatic increase in hourly PM<sub>10</sub> concentrations that coincided with the transport of dust entrained by strong, gusty winds.

### **Concentration was in Excess of Normal Historical Fluctuations**

The 1212  $\mu\text{g}/\text{m}^3$  24-hour PM<sub>10</sub> concentration measured at Perris and the high values at 10 other stations on October 21, 2007 are all higher than the 99.5 percentile value of 139.5  $\mu\text{g}/\text{m}^3$  for all South Coast Air Basin FRM measurements since 1990, as shown previously in Section 1.6, Figure 1-6. Concentrations above the 97.5 percentile value (101.0  $\mu\text{g}/\text{m}^3$  and above) are outside the normal range of the data. Therefore any value that exceeds the 24-hour federal PM<sub>10</sub> standard of 150  $\mu\text{g}/\text{m}^3$  is clearly in excess of the normal historical fluctuations of data for the Basin. All concentrations exceeding the federal 24-hour PM<sub>10</sub> standard in the Basin since at least January 1, 2000 can be attributed to events that would qualify as exceptional events, as was shown previously in Table 1-4. The Perris concentration measured on October 21, 2007 is the highest valid PM<sub>10</sub> measured at Perris and in the entire Basin since monitoring began. With the exception of the sample from the April 12, 2007 high wind event, no other days

exceeded the PM10 24-hour NAAQS at Perris since November 7, 1990. Of the other stations that exceeded the PM10 NAAQS on October 21, this day had the station maximum PM10 concentration ever recorded at Mira Loma, Rubidoux, Norco, Ontario, Anaheim, Santa Clarita, South Long Beach and North Long Beach. For many of these stations, this was the only NAAQS PM10 exceedance on record. Fontana had three higher concentrations in the past, two of which occurred prior to 1991. The only recent accident occurred on July 5, 2007 and has been submitted as an exceptional event due to fireworks. While October 21 had the sixth highest measurement ever recorded at San Bernardino, this was the only exceedance at that station since November 1991.

### **The “But For” Test**

To qualify as an exceptional event, it is necessary to demonstrate that there would have been no exceedance “but for” the event. To meet this “but for” requirement, it must first be shown that no unusual anthropogenic activities occurred in the affected area that could have resulted in the exceedances, besides the high wind event. Activities that generate anthropogenic PM10 were approximately constant in the Basin immediately preceding, during and after the event. Activity levels in the Basin were typical for the time of year and PM10 emissions control programs were being implemented, not only for fugitive dust-generating activities, but also for agricultural burning in the Basin. Furthermore, due to the forecast for high winds on October 21, the AQMD compliance teams were ready to act quickly to fugitive dust complaints to minimize emissions and to enforce mitigation methods like watering and soil stabilization.

Vehicular traffic, cooking and residential fires do not directly cause PM10 24-hour NAAQS violations in the Basin. Activity levels in the Basin were typical for the time of year and PM10 emissions control programs were being implemented, for fugitive dust-generating activities, as well as open burning. With the unsettled conditions on October 21, such emissions would not contribute significantly to the PM10 measured. There were reasonable and appropriate measures in place to control PM10 in the Basin on October 21, 2007, including AQMD Rules 403, 444, 445, 1156, 1157, 1158 and 1186. Moreover, EPA has approved AQMD’s BACM demonstration for all significant sources of PM10 in the Basin.

Examining the make-up of the PM10 in the Basin on this day using FRM PM2.5 data, the coarse particles (PM10-2.5), which are associated with windblown dust, represent over 75% of the total PM10 mass collected in Los Angeles County and over 90% of the mass in Orange, Riverside and San Bernardino Counties. The wildfires that were burning in southern California, most of which started on October 21, were not the primary cause of the high PM10, even at Santa Clarita and Anaheim where the potential for smoke and ash impact was greatest. PM2.5 remained relatively low throughout the

Basin on this day. Laboratory analyses of the PM<sub>10</sub> filters for soluble potassium, an indicator of wood smoke, also support the conclusion that while there was likely some contribution from the wildfires, it was relatively small. PM<sub>10</sub> sulfate and nitrate components were also low on the FRM filters throughout the Basin, again indicating primarily crustal material in the sample. PM<sub>10</sub> chloride was also low, although the concentrations increased with the winds.

Based on the data provided in this report, AQMD concludes that there would not have been exceedances of the PM<sub>10</sub> NAAQS in the Basin on October 21, 2007 if high winds were not present. Even if the extreme 99.5 percentile concentration for the Basin, 139.5  $\mu\text{g}/\text{m}^3$ , were used as the background concentration to compare to the measured PM<sub>10</sub> concentrations, the particulate contribution from the high wind event clearly caused these exceedances. The causal connection of the measured PM<sub>10</sub> and the strong winds in the Basin, and throughout southern California, along with the high contribution of fugitive dust to the PM<sub>10</sub> mass indicate that but for the high wind event this NAAQS violation would not have occurred.

### **Reasonable Measures**

AQMD issued daily air quality forecasts on October 20 and 21, 2007, each valid for the following day, with same-day updates. These warned the public of the air quality in the Basin and the Coachella Valley that was predicted to reach the high Moderate range, due to increased particulates in association with the windblown dust at the time the forecast was issued. Good ventilation and deep mixing were predicted for the Basin and, given the time of year, air quality would be expected to be in the Good range, except for the wind event.

AQMD issued an air quality advisory (Appendix, A.11) on October 21 for the windblown dust and wildfires and similar advisories were issued through the next week as the ongoing winds and increasing wildfire smoke impacted the Basin. AQMD encourages public awareness of the health impacts of particulate matter through the AQMD website, informational brochures, public meetings and conferences, and press releases. Real-time air quality data and daily air quality forecasts and episode notifications are available through the AQMD website (<http://www.aqmd.gov>) and through the Interactive Voice Response (IVR) telephone system (1-800-CUT-SMOG). Forecasts and air quality notifications can be received by email (<http://www.aqmd.gov/smog/ForecastEmails.html>) or by FAX and many schools, recreational facilities, sports organizations and individuals subscribe to these services. AQMD forecasts and current data are also available through the EPA AirNow system (<http://www.airnow.gov>) and data is available through the CARB website (<http://www.arb.ca.gov/aqd/aqdpag.htm>).



### **Public Notification**

The South Coast Air Quality Management District (AQMD) has prepared this documentation to demonstrate that this exceedance was due to high-wind natural events, in accordance with the EPA Exceptional Event Rule. Upon transmittal of this document to the California Air Resources Board (ARB), this document will be posted on the AQMD website for public hearings, notices and meetings ([http://www.aqmd.gov/pubinfo/public\\_notices.htm](http://www.aqmd.gov/pubinfo/public_notices.htm)), requesting review and comment by the public for a minimum of 30 days. Public comments should be directed to: Mr. Kevin Durkee, Senior Meteorologist, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91765; email: [kdurkee@aqmd.gov](mailto:kdurkee@aqmd.gov).

### **Checklist of Exceptional Event Requirements**

<b>AQMD Flagging of Data</b>	✓
<b>Exceptional Event Criteria Summary:</b>	
<i>Affects Air Quality</i>	✓
<i>Is Not Reasonably Controllable or Preventable</i>	✓
<i>Was a Natural Event</i>	✓
<b>Causal Connection</b>	✓
<b>Concentration in Excess of Normal Historical Fluctuations</b>	✓
<b>The “But For” Test</b>	✓
<b>Reasonable Measures</b>	✓
<b>Public Notification</b>	✓*

\* This document will be posted on the AQMD website for a 30 days public comment period, when received by CARB

## 2.2 Detailed Event Analysis

### PM Summary

On October 21, 2007, the FRM samplers at eleven air monitoring stations in the Basin listed below measured exceptionally high 24-hour PM10 mass concentrations, to the extreme concentration of as 1212  $\mu\text{g}/\text{m}^3$  at Perris. Routine chemical analysis of PM10 mass shows that sulfate, nitrate and chloride components of PM10 mass on October 21, were below the yearly average at most sites exceeding PM10 on this day, indicating that the PM10 mass was primarily crustal material. Soluble potassium, analyzed from the PM10 filters on October 21 as a potential tracer of wildfire smoke, also remained relatively low on October 21. PM2.5 concentrations at the monitoring stations exceeding the PM10 NAAQS with collocated PM2.5 samplers were low, in the range of 5.0 to 29.4  $\mu\text{g}/\text{m}^3$ , within the PM2.5 24-hour federal standard of 35  $\mu\text{g}/\text{m}^3$ . The low FRM PM2.5 concentrations on October 21 also indicate that windblown dust contributed to the high PM10 and was the primary components of the measured PM10. Table 2-1 summarizes the FRM PM10 mass and the sulfate, nitrate, chloride and potassium components from the PM10 filters on October 21, along with the available FRM PM2.5 data for the sites exceeding PM10 federal standard.

**TABLE 2-1**

**24-hour FRM PM10 Mass, Sulfate, Nitrate, Chloride and Potassium and FRM PM2.5 Measurements ( $\mu\text{g}/\text{m}^3$ ) for October 21, 2007**  
*(concentrations exceeding 150  $\mu\text{g}/\text{m}^3$  are highlighted in bold type)*

FRM Monitoring Station	PM10 ( $\mu\text{g}/\text{m}^3$ )	Sulfate ( $\mu\text{g}/\text{m}^3$ )	Nitrate ( $\mu\text{g}/\text{m}^3$ )	Chloride ( $\mu\text{g}/\text{m}^3$ )	Potassium ( $\mu\text{g}/\text{m}^3$ )	PM2.5 ( $\mu\text{g}/\text{m}^3$ )
Perris	<b>1212</b>	4.4	6.2	1.67	1.94	--
Mira Loma (H.S.)	<b>681</b>	3.5	3.3	1.20	0.78	--
Riverside – Rubidoux	<b>559</b>	2.7	3	1.18	0.56	11.1
Anaheim	<b>489</b>	4.4	4	2.85	3.44	29.4
South Long Beach	<b>432</b>				2.34	18.4
Norco	<b>332</b>	2.6	1.7	0.92	0.62	--
Fontana	<b>276</b>	2.2	1.2	0.59	0.28	8
Ontario Fire Station	<b>275</b>	2.9	4.5	0.27	0.19	16.7
North Long Beach	<b>232</b>	3.0	4.7	0.91	0.77	--
San Bernardino	<b>219</b>	1.9	1.7	0.49	0.21	5
Santa Clarita	<b>167</b>	2.7	1.5	0.89	1.52	--

Table 2-2 shows the daily 24-hour averaged PM10 concentrations from the available FRM (SSI), and the hourly BAM and TEOM continuous measurements for air monitoring stations in the Basin with available data between October 15 and 27, 2007. The AQMD FRM PM10 filter samples are collected on a 1-in-6 day schedule, except at Riverside-Rubidoux and Indio where 1-in-3 day data is collected. Extremely high SSI and TEOM PM10 concentrations were measured on October 21 at the Riverside County stations in the Basin and at the other Basin stations in San Bernardino, Orange and Los Angeles Counties. This demonstrates that the high wind event was widespread throughout the Basin.

The Coachella Valley area in the farthest eastern portion of the Riverside County (in the Salton Sea Air Basin) was not affected by this event and recorded the lowest PM10 concentrations of all AQMD stations, well below the federal standard. The Central portion of Los Angeles County, the coastal area of Orange County and the eastern portion of the San Bernardino valley and the San Bernardino mountain areas were not as affected by the winds and wildfires on October 21. PM10 concentrations remained relatively low, below the federal standard, in these areas. The FRM PM10 concentrations on October 20 at Perris and the Metropolitan area of Riverside County were up to 20 times that measured on the sampling days before and after that day. Central Orange County and South Coastal Los Angeles County areas were up to 16 times higher than the surrounding days. Other areas exceeding were from 1.5 to 10 times higher than the sampling days before and after. This indicates the impact of the natural event on the October 21 PM10 air quality, resulting in the higher than typical PM10 concentrations above the federal standard level in over half of the Basin.

TABLE 2-2

**24-hour FRM and TEOM PM10 Measurements ( $\mu\text{g}/\text{m}^3$ )****October 15 through October 27, 2007***(concentrations exceeding 150  $\mu\text{g}/\text{m}^3$  are highlighted in bold type)*

Monitoring Site		24-Hour PM10 ( $\mu\text{g}/\text{m}^3$ )												
		Date (2007)												
Location	Type	Oct. 15	Oct. 16	Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 27
Central Los Angeles	FRM	45						63						58
Central Los Angeles	BAM	29	24	31	39	35	36	50	108	69	51	56	77	49
Los Angeles Airport	FRM	16						128						55
Burbank	TEOM	26	22	28	41	35	45	34	93	58	56	64	81	41
Azusa	FRM	42						--						68
Glendora	TEOM	20	18	18	18	20	29	43	61	39	28	57	78	50
<b>Santa Clarita</b>	FRM	30						<b>167</b>						51
<b>North Long Beach</b>	FRM	26						<b>232</b>						53
North Long Beach	TEOM	19	19	22	37	40	32	<b>205</b>	138	69	63	74	50	41
<b>South Long Beach</b>	FRM	30						<b>432</b>						65
<b>Port Study: Wilmington</b>	FRM	24						<b>207</b>						53
<b>Port Study: S. Wilmington</b>	FRM	20						<b>262</b>						55
<b>Port Study: Long Beach</b>	FRM	28						<b>262</b>						61
<b>Port Study: Hudson</b>	FRM	27						<b>251</b>						61
<b>Port Study: Del Amo</b>	FRM	21						<b>203</b>						54
<b>Anaheim</b>	FRM	31						<b>489</b>						75
Mission Viejo	FRM	22						74						52
<b>Norco</b>	FRM	38						<b>332</b>						87
<b>Rubidoux</b>	FRM	43			54			<b>559</b>			86			111
Rubidoux	TEOM	22	21	21	45	58	69	<b>275</b>	107	68	79	116	145	96
<b>Mira Loma (H.S.)</b>	FRM	47						<b>681</b>						--
Mira Loma (V.B.)	FRM	49						--						142
Mira Loma (V.B.)	TEOM	18	20	19	36	55	48	<b>581</b>	145	55	82	108	118	81
<b>Perris</b>	FRM	58						<b>1212</b>						113
Lake Elsinore	TEOM	25	18	16	35	54	45	<b>382</b>	<b>579</b>	55	51	136	130	69
Banning Airport	FRM	40						--						64
<b>Ontario Fire Station</b>	FRM	40						<b>275</b>						93
<b>Fontana</b>	FRM	55						<b>276</b>						111
Upland	TEOM	19	19	17	25	29	31	70	82	55	45	73	91	57
<b>San Bernardino</b>	FRM	68						<b>219</b>						114
San Bernardino	TEOM	31	22	24	34	40	44	<b>171</b>	<b>152</b>	99	114	89	109	88
Redlands	FRM	63						97						85
Crestline	FRM	23						--						--

Table 2-3 shows the hourly PM10 concentrations from the TEOM measurements at Long Beach, Mira Loma, Riverside-Rubidoux, Lake Elsinore and San Bernardino from 1200 PST on October 20 through October 22. Figure 2-1 shows this data graphically for from 1200 PST on October 20 through October 21. The 24-hour averaged daily TEOM measurements indicate that PM10 concentrations were relatively low through the late evening on October 20. All stations except Long Beach show an increase in hourly

PM10 concentrations at midnight on October 21. PM10 concentrations in the inland valley areas continued to increase throughout the early morning hours on October 21, reaching the peak concentrations in the late morning hours in the Riverside areas of the Basin and extending to the San Bernardino county valley areas. PM10 concentrations at the Long Beach site increased later at 1000 PST in the morning. PM10 concentrations began to rise in the western portions of the Basin in Orange County and Los Angeles County reaching the peak PM10 concentrations in the early afternoon. PM10 concentrations remained high at most areas through midnight and in the early morning hours of October 22. The PM10 concentrations then gradually became lower the following day. Relatively low concentrations were measured throughout the day on October 23.

**TABLE 2-3**  
**Hourly TEOM PM10 Measurements, 1200 PST October 20 through October 22, 2007**  
*(concentrations exceeding 150  $\mu\text{g}/\text{m}^3$  are highlighted in bold type)*

DATE	HOUR (PST)	Hourly PM10 ( $\mu\text{g}/\text{m}^3$ )				
		North Long Beach	Rubidoux	Mira Loma (V.B.)	Lake Elsinore	San Bernardino
10/20/07	1200	38	53	33	41	28
	1300	38	45	31	36	27
	1400	24	45	37	45	30
	1500	31	47	38	41	40
	1600	27	53	34	46	44
	1700	30	46	37	43	54
	1800	33	41	51	38	49
	1900	59	49	37	30	47
	2000	41	50	41	37	51
	2100	34	53	60	36	50
	2200	31	57	42	45	62
	2300	29	408	133	28	117
10/21/07	0000	27	<b>637</b>	<b>883</b>	128	107
	0100	34	<b>680</b>	<b>744</b>	<b>345</b>	104
	0200	24		<b>879</b>	<b>296</b>	<b>247</b>
	0300	25		<b>581</b>	<b>306</b>	<b>328</b>
	0400	27		<b>929</b>	<b>349</b>	81
	0500	26	<b>493</b>	<b>970</b>	<b>450</b>	82
	0600	51	<b>447</b>	<b>974</b>	<b>321</b>	<b>414</b>
	0700	39	<b>522</b>	<b>999</b>	<b>435</b>	<b>288</b>
	0800	60	<b>695</b>	<b>999</b>	<b>324</b>	<b>180</b>
	0900	72	<b>312</b>	<b>999</b>	<b>522</b>	150
	1000	135	<b>444</b>	<b>596</b>	99	<b>181</b>
	1100	<b>343</b>	<b>349</b>	<b>741</b>	<b>682</b>	<b>529</b>
	1200	<b>297</b>	<b>293</b>	<b>997</b>	<b>417</b>	<b>247</b>
	1300	<b>486</b>	<b>170</b>	<b>552</b>	<b>544</b>	<b>175</b>
	1400	<b>319</b>	<b>187</b>	<b>333</b>	<b>517</b>	134
	1500	<b>205</b>	124	<b>556</b>	<b>257</b>	88
	1600	139	75	<b>338</b>	<b>249</b>	65
	1700	<b>170</b>	53	134	<b>194</b>	<b>237</b>
	1800	<b>622</b>	65	137	<b>425</b>	65
	1900	<b>415</b>	59	90	<b>355</b>	<b>193</b>
	2000	<b>358</b>	70	90	<b>447</b>	98
	2100	<b>388</b>	44	<b>154</b>	<b>590</b>	42
	2200	<b>348</b>	33	<b>216</b>	<b>824</b>	29
	2300	<b>313</b>	19	46	99	37
10/22/07	0000	<b>272</b>	47	57	<b>999</b>	51
	0100	<b>186</b>	51	47	<b>999</b>	38
	0200	<b>206</b>	40	84	<b>999</b>	58
	0300	<b>180</b>	26	142	<b>999</b>	74
	0400	<b>198</b>	55	<b>276</b>	<b>999</b>	49
	0500	<b>214</b>	82	<b>187</b>	<b>999</b>	67
	0600	<b>211</b>	<b>154</b>	<b>295</b>	<b>999</b>	83
	0700	<b>231</b>	112	<b>259</b>	<b>999</b>	77
	0800	<b>200</b>	101	<b>209</b>	<b>999</b>	119
	0900	<b>182</b>	<b>341</b>	<b>191</b>	<b>999</b>	120
	1000	134	<b>335</b>	<b>318</b>	<b>861</b>	<b>170</b>
	1100	92	<b>187</b>	<b>376</b>	<b>360</b>	<b>546</b>

TABLE 2-3 (CONTINUED)

DATE	HOUR (PST)	Hourly PM10 ( $\mu\text{g}/\text{m}^3$ )				
		North Long Beach	Rubidoux	Mira Loma (V.B.)	Lake Elsinore	San Bernardino
10/22/07	1200	85	248	141	252	626
	1300	121	173	95	355	391
	1400	174	75	72	205	234
	1500	89	58	69	282	251
	1600	106	45	62	383	114
	1700	94	36	48	314	143
	1800	34	70	35	321	55
	1900	39	47	43	158	41
	2000	45	44	137	82	63
	2100	72	66	83	171	106
	2200	76	85	97	95	99
	2300	60	81	153	70	84

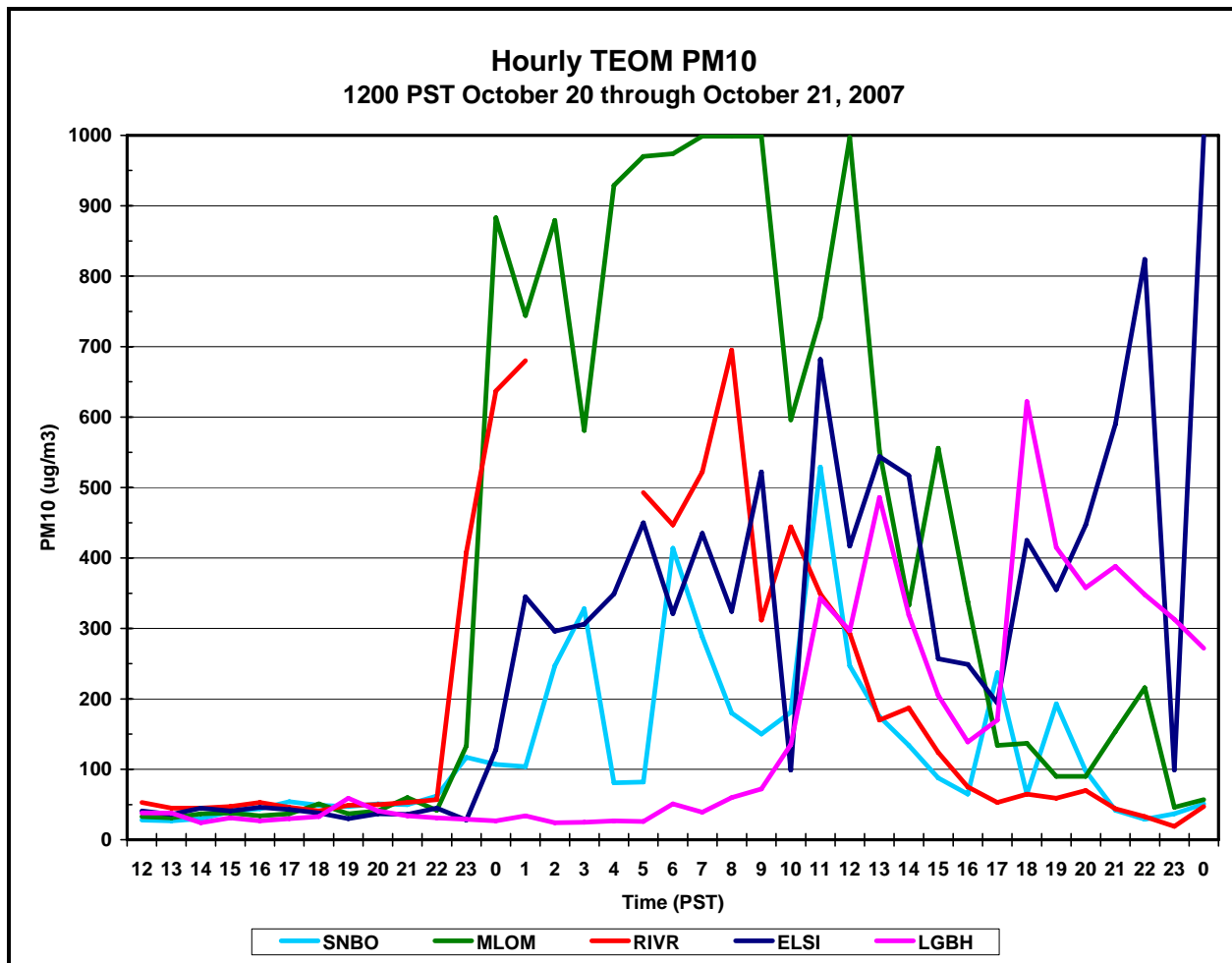


FIGURE 2-1

Time Series of Hourly TEOM PM10 ( $\mu\text{g}/\text{m}^3$ ) from 1200 PST October 20 through October 21, 2007

Table 2-4 shows 24-hour sulfate, nitrate and chloride species from the PM10 FRM SSI filters for the days surrounding October 21. The average sulfate concentration at Perris, the site with the highest PM10 on the record, for the year 2007 was  $3.2 \mu\text{g}/\text{m}^3$  and sulfates accounted for an average of 5.8% of the PM10 mass for the year. The sulfate concentration measured at Perris on October 21,  $4.4 \mu\text{g}/\text{m}^3$ , accounts for only 0.4% of the PM10 mass on that day. The average nitrate concentration at Perris for the year 2007 was  $3.8 \mu\text{g}/\text{m}^3$  and accounted for an average of 6.9% of the PM10 mass that year. The nitrate concentration measured at Perris on October 21,  $6.2 \mu\text{g}/\text{m}^3$ , accounts for 0.5% of the PM10 mass on that day. The average chloride concentration at Perris for the year 2007 was  $0.20 \mu\text{g}/\text{m}^3$  and accounted for an average of 0.5% of the PM10 mass that year. The chloride concentration measured at Perris on October 21,  $1.67 \mu\text{g}/\text{m}^3$ , accounts for 0.1% of the PM10 mass on that day. The below-average PM10 sulfate, nitrate and chloride concentration indicate that windblown crustal material was the primary contributor to PM10 on October 21. Similarly, all the other sites exceeding showed a low PM10 sulfate, nitrate and chloride concentration of the PM10 mass (less than 6%) on October 21.

**TABLE 2-4**

**24-hour Sulfate, Nitrate and Chloride from PM10 FRM Measurements from Basin Air Monitoring Stations Between October 15 and 27, 2007**

Monitoring Site		24-Hour PM10 Sulfate ( $\mu\text{g}/\text{m}^3$ )												
		Date (2007)												
Location	Type	Oct. 15	Oct. 16	Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 27
Central Los Angeles	FRM	8.4						2.4						3.9
Los Angeles Airport	FRM	5.6						3.1						5.8
Azusa	FRM	6.5						--						4.1
Santa Clarita	FRM	3.6						2.7						3.4
North Long Beach	FRM	6.6						3.0						4.8
Anaheim	FRM	8.6						4.4						5.6
Mission Viejo	FRM	5.1						1.7						4.7
Norco	FRM	7.0						2.6						5.1
Riverside-Rubidoux	FRM	6.1			2.7			2.7			0.8			3.8
Mira Loma (H.S.)	FRM	6.8						3.5						--
Mira Loma (V.B.)	FRM	6.6						--						4.5
Perris	FRM	6.5						4.4						
Banning Airport	FRM	3.6						--						2.1
Ontario Fire Station	FRM	4.5						2.9						3.8
Fontana	FRM	6.7						2.2						3.6
San Bernardino	FRM	2.7						1.9						3.2
Redlands	FRM	6.0						2.1						2.9
Crestline	FRM	2.7						--						



TABLE 2-4 (continued)

Monitoring Site		24-Hour PM10 Nitrate ( $\mu\text{g}/\text{m}^3$ )												
		Date (2007)												
Location	Type	Oct. 15	Oct. 16	Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 27
Central Los Angeles	FRM	7.9						3.5						5.5
Los Angeles Airport	FRM	1.0						3.6						10.3
Azusa	FRM	7.9						--						8.7
Santa Clarita	FRM	5.9						1.5						2.7
North Long Beach	FRM	2.8						4.7						8.5
Anaheim	FRM	5.0						4.0						14.0
Mission Viejo	FRM	2.3						1.2						6.4
Norco	FRM	10.1						1.7						9.6
Riverside-Rubidoux	FRM	11.7			5.3			3.0			3.9			10.6
Mira Loma (H.S.)	FRM	11.9						3.3						--
Mira Loma (V.B.)	FRM	11.9						--						12.2
Perris	FRM	16.6						6.2						--
Banning Airport	FRM	10.8						--						2.3
Ontario Fire Station	FRM	2.1						4.5						10.6
Fontana	FRM	13.3						1.2						9.6
San Bernardino	FRM	18.0						1.7						9.3
Redlands	FRM	19.3						1.6						3.8
Crestline	FRM	1.6						--						--

Monitoring Site		24-Hour PM10 Chloride ( $\mu\text{g}/\text{m}^3$ )												
		Date (2007)												
Location	Type	Oct. 15	Oct. 16	Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 27
Central Los Angeles	FRM	0.06						0.26						0.02
Los Angeles Airport	FRM	0.05						4.67						0.14
Azusa	FRM	0.04						--						0.05
Santa Clarita	FRM	0.04						0.89						0.06
North Long Beach	FRM	0.04						0.91						0.07
Anaheim	FRM	0.05						2.85						0.09
Mission Viejo	FRM	0.04						0.34						0.08
Norco	FRM	0.09						0.92						0.11
Riverside-Rubidoux	FRM	0.05			0.16			1.18			0.14			0.15
Mira Loma (H.S.)	FRM	0.05						1.20						--
Mira Loma (V.B.)	FRM	0.04						--						0.12
Perris	FRM	0.06						1.67						--
Banning Airport	FRM	0.05						--						0.08
Ontario Fire Station	FRM	0.00						0.27						0.07
Fontana	FRM	0.07						0.59						0.21
San Bernardino	FRM	0.04						0.49						0.09
Redlands	FRM	0.04						0.17						0.08
Crestline	FRM	0.05						--						--

Table 2-5 shows 24-hour PM<sub>2.5</sub> concentrations from October 21 through 27, 2007, at stations throughout the Basin. PM<sub>2.5</sub> is not measured at Perris, so the nearest stations provide an indication of the contribution from PM<sub>2.5</sub>. PM<sub>2.5</sub> is measured with FRM filter samplers at Riverside-Rubidoux, Mira Loma and Indio in Riverside County and at Ontario, Fontana and San Bernardino in San Bernardino County. Anaheim, Central Los Angeles and S. Long Beach show the PM<sub>2.5</sub> in the coastal counties. Where 24-hour averaged BAM measurements were available, these have been included to supplement the FRM measurements. The Lake Elsinore BAM PM<sub>2.5</sub> instrument is particularly supportive in this case, since that station is relatively close to Perris. The PM<sub>2.5</sub> concentrations were relatively low on October 21, with Anaheim measuring the highest FRM PM<sub>2.5</sub> concentration, 29.4 µg/m<sup>3</sup>. All FRM PM<sub>2.5</sub> measurements on October 21 were well below the 24-hour PM<sub>2.5</sub> NAAQS of 35 µg/m<sup>3</sup>. There are high BAM PM<sub>2.5</sub> measurements at Banning and Anaheim on October 21 for the period shown in Table 2-5 that do not match collocated FRM instruments. The BAM data is suspect in these cases and it has not undergone a rigorous quality control process and it is not submitted to AQS to date. The validated FRM PM<sub>2.5</sub> concentration at Anaheim on October 21, for example, is 29.4 µg/m<sup>3</sup> compared to the same day BAM measurement of 45.3 µg/m<sup>3</sup>.

**TABLE 2-5**  
**24-hour FRM and BAM PM<sub>2.5</sub> Measurements Surrounding the Azusa and Fontana**  
**Air Monitoring Stations Between October 15 and October 27, 2007**  
*(concentrations exceeding 35 µg/m<sup>3</sup> are highlighted in bold type)*

Monitoring Site		24-Hour PM <sub>2.5</sub> (µg/m <sup>3</sup> )												
		Date (2007)												
Location	Type	Oct. 15	Oct. 16	Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 27
Central Los Angeles	FRM	<b>44.3</b>	10.4	10.7	15.1	11.1	12.6	12.0	19.3	20.7	19.1		<b>53.8</b>	27.9
Central Los Angeles	BAM	<b>42.5</b>	20.3	18.8	22.6	16.0	21.8	19.4	27.1	27.8	26.3	<b>39.7</b>	<b>68.0</b>	<b>43.5</b>
Compton	FRM	23.5			13.5			15.5			29.2			29.2
Pico Rivera	FRM	31.6			12.5			10.9			26.9			32.9
Burbank	FRM	<b>36.2</b>			12.0			6.9			20.2			---
Burbank	BAM										28.8	<b>71.4</b>	<b>40.7</b>	<b>40.4</b>
Pasadena	FRM	<b>31.4</b>			9.0			9.4			16.7			21.4
Azusa	FRM	31.0	21.0	10.0	9.0	7.1	13.5	7.2	9.8					
Glendora	BAM	31.5	22.2	12.9	7.4	3.9	9.6	6.9	9.1	19.4	9.4	<b>36.3</b>	<b>67.4</b>	<b>38.5</b>
North Long Beach	FRM	18.4	9.1	8.8								33.5	<b>36.1</b>	23.6
South Long Beach	FRM	17.0	9.0	8.0	15.7	16.7	10.9	18.4	32.7	29.7	32.5	33.7	29.4	22.0
Anaheim	FRM	23.5	9.4	9.9	14.2	15.4	14.5	29.4	28.1	27.8	28.6		<b>50.9</b>	33.1
Anaheim	BAM	34.2	17.0	12.0	18.3	17.8	18.3	<b>45.3</b>	<b>45.3</b>	32.4	32.8	<b>46.9</b>	<b>62.5</b>	<b>47.5</b>
Mission Viejo	FRM	17.4			8.5			6.7						
Riverside-Rubidoux	FRM	<b>38.8</b>	26.1	10.5	11.6	13.0	17.6	11.1	7.7	14.9	25.6	<b>50.4</b>	<b>75.7</b>	<b>42.0</b>
Riverside-Rubidoux	BAM	<b>46.0</b>	32.0	12.8	17.7	14.4	21.5	26.4	10.9	19.9	29.2	<b>44.5</b>	<b>90.5</b>	<b>48.1</b>
Riverside-Magnolia	FRM	<b>35.2</b>			14.9			14.0			18.8			31.5
Mira Loma (H.S.)	FRM	33.3			15.1						25.7			<b>47.7</b>
Mira Loma (V.B)	BAM	<b>48.2</b>	<b>36.2</b>	21.4	29.4	24.1	31.4		<b>78.0</b>	<b>94.3</b>	34.1	<b>66.4</b>	<b>93.8</b>	<b>59.8</b>
Lake Elsinore	BAM	<b>38.5</b>	13.0	7.3	10.7	11.4	13.4	25.3	<b>104.4</b>	7.9	8.5	<b>58.0</b>	<b>113.0</b>	27.4
Banning Airport	BAM	<b>38.0</b>	19.3	12.1	14.2	9.6	15.6	<b>238.9</b>	<b>50.5</b>	6.0	5.0	<b>44.4</b>	<b>68.7</b>	<b>42.1</b>
Ontario Fire Station	FRM	31.8			12.3			16.7			25.9			<b>46.9</b>
Fontana	FRM	<b>39.4</b>			16.5			8.0			23.7			34.4
San Bernardino	FRM	<b>46.6</b>			11.6			5.0			<b>72.1</b>			<b>44.9</b>
Big Bear	FRM							3.2						<b>45.4</b>

By comparing the 24-hour PM<sub>10</sub> and PM<sub>2.5</sub> mass from the same stations, the percentage of PM<sub>10</sub> attributed to PM-Coarse (PM<sub>10-2.5</sub>) is high at all locations on October 21, as is shown in Table 2-6. In Riverside, San Bernardino and Orange Counties, the PM-Coarse was over 90 percent of the PM<sub>10</sub>. In Los Angeles county the PM-Coarse was near 80 percent of more. This indicates that the source of the high PM<sub>10</sub> throughout the Basin on October 21, was primarily crustal material due to windblown dust. Table 2-7 shows the hourly BAM PM<sub>2.5</sub> concentrations in the Basin. The hourly PM<sub>2.5</sub> values increased in the early morning of October 21 when the windblown dust increased the PM<sub>10</sub>, but PM<sub>2.5</sub> remained a small fraction of the hourly PM<sub>10</sub> throughout the day. The extremely high PM<sub>2.5</sub> data from Banning Airport is suspect. The Mira Loma-Van Buren BAM stopped working after ten hours due to a power outage at that site. Smoke from the fire in Orange County that started in the afternoon of October 21, is evident in the Anaheim BAM data in the evening of October 21. The Basin PM<sub>2.5</sub> measurements were influenced by smoke for two weeks following October 21; these PM<sub>2.5</sub> exceptional events will be addressed in a separate document.

**TABLE 2-6**

**Percentage of 24-Hour PM<sub>10</sub> Attributed to PM-Coarse (PM<sub>10-2.5</sub>) from Collocated Measurements between October 15 and October 27, 2007**

Monitoring Site		24-Hour PM-Coarse (PM <sub>10-PM<sub>2.5</sub></sub> )/PM <sub>10</sub> (%)												
		Date (2007)												
Location	Type	Oct. 15	Oct. 16	Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 27
Central Los Angeles	FRM	1.6						81.0						51.9
Central Los Angeles	BAM	-46.6	15.4	39.4	42.1	54.3	39.4	61.2	74.9	59.7	48.4	29.1	11.7	11.2
Burbank	BAM	-39.2			70.7			79.7			48.6	-11.6	49.8	1.5
Azusa	FRM	26.2						---						---
Glendora	BAM	-57.5	-23.3	28.3	58.9	80.5	66.9	84.0	85.1	50.3	66.4	36.3	13.6	23.0
North Long Beach	FRM	29.2						---						55.5
South Long Beach	FRM	43.3						95.7						66.2
Anaheim	FRM	24.2						94.0						55.9
Mission Viejo	FRM	20.9						90.9						---
Riverside-Rubidoux	FRM	9.8			78.5			98.0			70.2			62.2
Riverside-Rubidoux	BAM	-109.1	-52.4	39.0	60.7	75.2	68.8	90.4	89.8	70.7	63.0	61.6	37.6	49.9
Mira Loma (H.S.)	FRM	29.1						---						66.4
Mira Loma (V.B.)	BAM	-167.8	-81.0	-12.6	18.3	56.2	34.6	---	46.2	-71.5	58.4	38.5	20.5	26.2
Lake Elsinore	BAM	-54.0	27.8	54.4	69.4	78.9	70.2	93.4	82.0	85.6	83.3	57.4	13.1	60.3
Banning Airport	BAM	5.0						---						34.2
Ontario Fire Station	FRM	20.5						93.9						49.6
Fontana	FRM	28.4						97.1						69.0
San Bernardino	FRM	31.5						97.7						60.6

TABLE 2-7

## Hourly BAM PM2.5 Measurements on October 20 and 21, 2007

(concentrations exceeding 35  $\mu\text{g}/\text{m}^3$  are highlighted in bold type)

DATE	HOUR (PST)	Hourly BAM PM2.5 ( $\mu\text{g}/\text{m}^3$ )						
		Central Los Angeles	Glendora	Anaheim	Riverside- Rubidoux	Mira Loma (V.B.)	Lake Elsinore	Banning Airport
10/20/07	0000	20	7	16	17	24	17	15
	0100	20	5	9	13	24	15	15
	0200	19	5	9	12	21	14	15
	0300	22	3	9	12	20	13	25
	0400	11	2	11	12	18	14	14
	0500	11	2	19	11	22	15	21
	0600	19	4	21	15	29	20	17
	0700	23	2	17	26	31	20	13
	0800	28	6	12	29	29	19	9
	0900	27	7	20	23	25	10	12
	1000	21	7	11	19	<b>41</b>	9	12
	1100	20	10	20	26	<b>36</b>	11	8
	1200	34	9	32	32	34	12	9
	1300	33	9	31	21	35	11	12
	1400	26	9	27	17	31	14	14
	1500	26	11	21	19	31	15	23
	1600	22	15	23	21	32	13	13
	1700	20	18	18	24	31	9	16
	1800	17	14	18	28	<b>38</b>	19	18
	1900	22	15	18	27	32	5	13
	2000	19	20	17	26	<b>43</b>	8	11
	2100	22	16	19	31	<b>37</b>	10	20
	2200	20	16	21	31	<b>43</b>	11	23
	2300	21	18	19	25	<b>46</b>	17	26
10/21/07	0000	20	11	19	24	<b>113</b>	12	33
	0100	23	16	21	<b>36</b>	<b>156</b>	23	23
	0200	22	14	17	<b>72</b>	<b>115</b>	20	20
	0300	27	8	15	<b>67</b>	<b>85</b>	21	17
	0400	20	9	11	<b>61</b>	<b>64</b>	21	17
	0500	15	11	19	<b>48</b>	<b>68</b>	25	<b>183</b>
	0600	20	11	15	26	<b>79</b>	18	<b>401</b>
	0700	26	11	25	33	<b>53</b>	24	<b>943</b>
	0800	26	12	35	<b>46</b>	<b>61</b>	20	<b>759</b>
	0900	29	13	<b>43</b>	<b>42</b>	<b>58</b>	21	<b>821</b>
	1000	21	12	32	<b>37</b>	<b>58</b>	26	<b>614</b>
	1100	15	11	28	24		25	<b>337</b>
	1200	10	4	<b>42</b>	23		18	<b>252</b>
	1300	5	2	<b>46</b>	30		31	<b>119</b>
	1400	9	8	21	24		27	<b>143</b>
	1500	16	5	28	17		14	<b>118</b>
	1600	12	0	30	9		10	<b>98</b>
	1700	12	0	29	2		6	<b>111</b>
	1800	14	0	<b>39</b>	0		21	<b>111</b>
	1900	25	0	<b>91</b>	0		16	<b>295</b>
	2000	21	0	<b>141</b>	2		21	<b>88</b>
	2100	22	0	<b>134</b>	5		<b>37</b>	<b>51</b>
	2200	27	3	<b>131</b>	4		<b>42</b>	<b>87</b>
	2300	28	4	<b>75</b>	1		<b>108</b>	<b>92</b>

Soluble potassium is used as a tracer of the combustion of biomass, especially of wood smoke. Table 2-8 shows the 24-hour soluble potassium concentrations from October 21 through 27, 2007, at stations throughout the Basin. The soluble potassium concentrations increased on October 21 from that taken from the previous sampling run, when most concentrations were near zero. On October 21, the potassium ranged from  $0.11 \mu\text{g}/\text{m}^3$  at Burbank and Redlands to  $3.44 \mu\text{g}/\text{m}^3$  at Anaheim, the station most impacted by wildfires at the end of the day. These concentrations accounted for between 0.1% and 0.2% of PM10 mass at most stations and 0.9% of the mass at Santa Clarita. AQMD does not routinely perform the soluble potassium analysis on the PM10 filters. However, these values can be compared to the PM2.5 total potassium measured during the AQMD Multiple Air Toxics Study (MATES III), sampled every three days between April 3, 2004 and February 19, 2006 throughout the Basin. Potassium is mostly in the PM2.5 size range, so the difference between PM10 and PM2.5 potassium is small. Also, the soluble potassium would not be greater than the total potassium. During the MATES III period, the average potassium was  $0.10 \mu\text{g}/\text{m}^3$  and the 99<sup>th</sup> percentile value was  $0.75 \mu\text{g}/\text{m}^3$ . In contrast, the soluble potassium measured from the PM10 filters for the July 5, 2007 fireworks exceptional event was  $26.0 \mu\text{g}/\text{m}^3$  (15.8% of PM10 mass) at Azusa  $11.1 \mu\text{g}/\text{m}^3$  (7.2% of PM10 mass) at Fontana. The potassium content of the PM10 mass at the sites exceeding PM10 federal standard on October 21, indicates that the fires had some influence on the PM10 measured, but that the primary contribution was from crustal material due to windblown dust.

**TABLE 2-8****24-hour Potassium Analyzed from PM10 FRM SSI Measurements from Basin Air Monitoring Stations between October 15 and 27, 2007**

Monitoring Site		24-Hour PM10 Potassium ( $\mu\text{g}/\text{m}^3$ )												
		Date (2007)												
Location	Type	Oct. 15	Oct. 16	Oct. 17	Oct. 18	Oct. 19	Oct. 20	Oct. 21	Oct. 22	Oct. 23	Oct. 24	Oct. 25	Oct. 26	Oct. 27
Central Los Angeles	FRM	0.00						0.18						--
Los Angeles Airport	FRM	0.03						0.50						0.23
Azusa	FRM	0.00						0.09						0.23
Burbank	FRM	--						0.11						0.26
Santa Clarita	FRM	0.07						1.52						0.30
Long Beach	FRM	0.00						0.77						0.18
South Long Beach	FRM	0.01						2.34						0.25
Anaheim	FRM	0.00						3.44						0.27
Mission Viejo	FRM	0.03						0.12						0.27
Norco	FRM	0.00						0.62						0.63
Rubidoux	FRM	0.00			0.15			0.56			0.30			0.62
Mira Loma (H.S.)	FRM	0.00						0.78						--
Mira Loma New	FRM	0.00						0.81						0.99
Perris	FRM	0.00						1.94						0.59
Banning Airport	FRM	0.00						--						0.42
Ontario Fire Station	FRM	0.05						0.19						0.53
Fontana	FRM	0.00						0.28						0.69
San Bernardino	FRM	0.00						0.21						0.75
Redlands	FRM	0.00						0.11						0.66

### **Meteorological Setting**

An upper level trough of low pressure moved through California in the morning of Saturday, October 20, 2007 and developed further on Sunday, October 21, centered over New Mexico. Ridging occurred behind the trough from the west. The strong pressure gradients that developed between the high and low pressure aloft created strong winds. The National Weather Service (NWS) 500 millibar (MB) analyses every 12 hours between 0400 PST on October 20 and 0400 PST on October 22 are shown in the Appendix, Section A.13. The winds over California at the 500 MB pressure level started out westerly in the morning of October 20, then became northwesterly in the afternoon with speeds increasing to 86 mph (75knots). On October 21, the upper level winds became northerly, weakening somewhat as the area of high pressure to the southwest edged into California. The northerly flow aloft provided upper level support to the north and northeasterly winds at the surface on this day.

The passage of the low pressure trough aloft brought the first strong cold front of the season at the surface. Section A.14 in the Appendix shows the NWS surface analyses, every three hours between 0400 PST on October 20 and 0400 PST on October 22. The low pressure center and cold front moved through southern California on October 20, creating some gusty northwesterly winds on that day. High pressure started building over southern Oregon on October 20, expanding to the east over the Great Basin on October 21. This is the classic Santa Ana wind pattern that brings strong winds to southern California. High pressure builds over the Great Basin in the cold air behind the front with lower pressure off the southern California coast. This pressure gradient creates strong north through northeasterly winds, enhanced by thermal gradients due denser cold air over the Great Basin. The relatively cool air from the Great Basin deserts flows over the southern California mountains, gaining momentum on the lee side. The downslope flow causes compressional warming and drying of the air in the Basin. This combination of strong wind, high temperatures and low relative humidities make these Santa Ana conditions highly conducive to wildfires in southern California.

The surface winds on October 21 started out northerly in the morning, shifting to the northeast through the day and more easterly by the following day as the surface high pressure shifted eastward behind the trough. Temperatures in southern California on October 21 were warm for this time of year, reaching the upper 80°F range even along the coast. The air was very dry, especially in the windy areas; relative humidities in the Basin fell into the teens even in coastal areas. One wildfire started on October 20 and several more started throughout the day on October 21. The winds continued for the next few days, with hot, dry conditions contributing to the growth of these wildfires and many new ones over the next several days.

The AQMD Meteorology Section routinely analyzes pressure gradients in southern California to assess winds and air pollution potential. The Summation Pressure Gradient



(SPG) is a good indicator of the strength of the flow and whether it is onshore (positive) or offshore (negative), where

$$\text{SPG} = (\text{SAN-LAS})^5 + (\text{LGB-DAG})^6 + (\text{RIV-DAG})^7$$

In the morning of October 20, the 0700 PST SPG was 15.3 millibars (MB), indicating moderate onshore flow. At the same time in the morning of October 21, the SPG was high and negative, at -27.6 MB, indicating very strong offshore flow and an extreme shift from 24-hours earlier. The strong offshore gradient continued through the day and the SPG was -28.8 at 0700 PST in the morning of October 22.

The AQMD Meteorology Section predicted high winds on October 20 in the Coachella Valley for AQMD Rule 403.1, which requires specific actions in this area when wind gusts exceed 25 mph. While there are no other AQMD rule requirements to forecast winds in the Basin, the daily forecast discussion by AQMD issued on October 19 for Saturday, October 20, predicted the onset of strong winds, stating:

*Moderately strong northwest winds will start in the afternoon [Saturday], becoming northerly in the evening and northeasterly on Sunday. The strongest wind gusts will be through and below the passes and canyons, especially in the mountains and desert areas, with areas of blowing dust and sand likely.*

PM10 predictions were increased throughout the Basin for October 20 and agricultural and prescribed burning was prohibited with a No-Burn prediction for the entire Basin. The AQMD forecast issued October 20 for Sunday, October 21 continued the prediction of strong winds, stating:

*Sunday will be mostly sunny and several degrees warmer with strong offshore flow. Gusty winds are likely throughout the Basin, with strongest gusts through and below passes and canyons. Areas of blowing dust and sand are likely, especially in the deserts and mountain areas.*

PM10 predictions were increased further and agricultural and prescribed burning was again prohibited. A Coachella Valley Rule 403.1 High Wind Day was also declared for October 21. Morning soundings through this period indicate surface-based temperature inversions, which are common with offshore wind events. This allowed winds aloft to more readily mix to the surface.

The Appendix to this document (Sections A.2 through A.6) contains the forecast discussions, short-term forecasts (nowcasts), fire weather forecasts, warnings and significant wind reports, as available from the NWS Los Angeles/Oxnard and San Diego

---

<sup>5</sup> Sea Level Pressure difference between San Diego and Las Vegas

<sup>6</sup> Sea Level Pressure difference between Long Beach and Daggett

<sup>7</sup> Sea Level Pressure difference between Riverside and Daggett

Forecast Offices, whose areas of responsibility cover the Basin and much of southern California. These show that the strong Santa Ana wind event was well predicted in advance, warning the public of potentially damaging winds and windblown dust and sand, along with reduced visibilities.

NWS warnings for high winds (Appendix, Section A.5) were already in place on October 20, extending through Monday, October 22, or longer. A Wind Advisory is issued by NWS when sustained winds of 30 to 39 mph are expected for 1 hour or longer. A High Wind Warning is issued when sustained winds of 40 mph or more are expected for 1 hour or longer, or for wind gusts of 58 mph or more with no time limit. NWS Oxnard issued High Wind Warnings on October 20, extending through the period for: the Los Angeles and Ventura County Mountains; the Santa Monica Mountains; the Antelope Valley; the Ventura and Los Angeles County Coasts, including Downtown Los Angeles; the Ventura and Los Angeles County Valleys, including the Santa Clarita Valley; and the Santa Barbara County Mountains and Coastal areas. NWS San Diego issued High Wind Warnings for: the Orange County Coastal Areas; the Inland Empire, including the San Bernardino and Riverside County Valleys; the San Bernardino and Riverside County Mountains; the Santa Ana Mountains and Foothills; and the San Diego County Valleys, Mountains and Coastal Areas. A Wind Advisory was also in effect for the Coachella Valley. In short, High Wind Warnings were in place for the entire South Coast Air Basin and most of southern California to warn the public of this high wind event. Northeasterly winds with sustained speeds in the 25 to 50 mph range were predicted throughout the region, along with damaging gusts to 80 mph, especially in the mountains, with some isolated gusts to 100 mph. Hazardous driving conditions were predicted, especially through and below canyons and passes, as well as blowing dust and sand with reduced visibility, broken tree limbs and downed power lines.

### **Wildfire Analysis**

A total of 23 wildfires burned in Southern California between October 20 and November 10, 2007, when all were completely contained. There were 10 confirmed fire-related fatalities, 139 people injured, 3,204 structures destroyed (2,233 homes, 5 businesses and 966 outbuildings). An estimated 517,267 acres were burned. The fires resulted in the largest evacuation in California history, with more than 321,500 mandatory evacuees<sup>8</sup>. Section A.10 of the Appendix shows a map of the southern California wildfires during this period, created by the California Governor's Office of Emergency Services (OES). Section A.10 also contains a reproduction of the California Joint Incident Briefing issued by OES and CalFire at 0900 PST in the morning of October 22. The Ranch Fire started in the evening of October 20, near Castaic in the mountains of northern Los Angeles County. Ten fires started in southern California on October 21. The fires on these two days are listed chronologically in Table 2-9.

**TABLE 2-9**  
**Southern California Wildfires on October 20 and 21, 2007**

<b>Fire Name</b>	<b>Location</b>	<b>Estimated Start Date/Time (PST)</b>	<b>Declared Full-Control Date</b>	<b>Estimated Final Size (Acres)</b>
Ranch Fire	Northern Los Angeles County Mountains, 6 miles north of Castaic	10/20/07 2042 PST	10/30/07	58,401
Canyon Fire	Malibu Canyon, south of Pacific Coast Hwy.	12/21/07 0355 PST	10/27/07 1100 PST	4,500
Sedgewick Fire	Santa Barbara County	10/21/07 0500 PST	10/24/07 0600 PST	710
Harris Fire	Southern San Diego County	10/21/07 0830 PST	11/10/07 1700 PST	90,440
Nightsky Fire	Ventura County	10/21/07 0935 PST	10/22/07	30
October Fire	Angeles National Forests	10/21/07 (time unknown)	10/23/07	25
Witch Fire	East of Ramona in Central San Diego County	10/21/07 1135 PST	10/31/07	197,900
Buckweed Fire	Agua Dulce and Canyon Country, north of Santa Clarita	10/21/07 1155 PST	10/26/07	38,356
Roca Fire	Aguanga, east of Temecula in Riverside County	10/21/07 1452 PST	10/23/07 1700 PST	270
Santiago Fire	Santa Ana Mountains in Orange County, east of the City of Orange, north of Irvine	10/21/07 1655 PST	11/9/07 0500 PST	28,400
McCoy Fire	Central San Diego County	10/21/07 2237 PST	10/26/07 1700 PST	353
Cajon Fire	Cajon Pass, near Devore and Glen Helen	10/22/07 2300 PST	10/24/07 (est.)	250

<sup>8</sup> Source California Office of Emergency Services, Quick Facts for Southern California Wildfires:  
<http://www.oes.ca.gov/Operational/OESHome.nsf/ALL/8A7A41878BC9B726882573A20069BF4D?OpenDocument>

The fires burned hot initially, sending smoke high into the atmosphere to be blown offshore by the strong northeasterly Santa Ana winds. While the Ranch Fire that had started on October 20 was burning close to Castaic on October 21, its smoke impact to the Santa Clarita monitor, about 10 miles to the south, was relatively small. The northeasterly winds primarily blew this smoke offshore across Ventura County. The October Fire in the mountains of the Angeles National Forest was small, reported at only 25 acres. The start time and exact location were not reported, and little smoke impact was evident. Smoke impacts to the Santa Clarita monitor were more likely from the Buckweed fire that was estimated to have started around 1155 PST. The soluble potassium analyzed from the Santa Clarita filter did increase on October 21, to  $1.52 \mu\text{g}/\text{m}^3$  from essentially zero on the previous sampling day. This is still a low concentration, indicating that the smoke was a small portion of the PM10 measured at Santa Clarita on this day.

The smoke from the Canyon Fire in Malibu that started in the early morning of October 21 also blew over the ocean with the strong winds in that area and did not significantly impact the AQMD monitoring stations on October 21. Smoke from the Sedgewick Fire in Santa Barbara County and the Harris Fire in Southern San Diego County blew offshore and did not impact the Basin. The Nightsky Fire in Ventura county was very small, 30 acres, with smoke transport across Ventura County and offshore on this day. Again, this smoke did not impact Basin stations. Likewise, smoke from the McCoy Fire that started near the end of the day in central San Diego County would have had little impact to the Basin PM10 monitors.

The Witch Fire created smoke that started around 1135 PST east of Ramona in the mountains of central San Diego County and was also transported to the west on October 21 out over the ocean. Smoke impacts from this fire did not impact Riverside or Orange County stations on this day. The Roca Fire started near 1452 PST in the afternoon of October 21 at Aguanga, east of Temecula in southern Riverside County near the San Diego County border. Given the northwesterly wind flows on this day the impacts of this smoke would have been primarily over San Diego county. Smoke impacts from the Roca Fire to the AQMD Perris air monitoring station, over 30 miles to the northwest, or to the Lake Elsinore station, over 30 miles to the west-northwest, were unlikely. The Perris soluble potassium increased from near zero from the PM10 sample 6 days earlier to  $1.94 \mu\text{g}/\text{m}^3$ . This was higher than normal, but still relatively low.

The Cajon Fire was the only known fire in San Bernardino County to start on October 21. The relatively small fire (250 acres) started at the end of the day (2315 PST), so this fire had little impact on the PM10 measured on October 21 in the downwind areas of San Bernardino and Riverside Counties. Several more fires in San Bernardino County started on October 22.

The Santiago Fire started in the Santa Ana Mountains of Orange County, approximately 10 miles east of the city of Orange, at 1655 PST. This location is over 15 miles east and south of the Anaheim air monitoring station. Anaheim had the most potential to be impacted by smoke of any AQMD particulate station on this day. The FRM PM10 at the AQMD Anaheim station in northwestern Orange County measured  $489 \mu\text{g}/\text{m}^3$ . The PM-Coarse fraction of the PM10 at Anaheim was 94% for the day, indicating that crustal material from windblown dust was primarily responsible for most of the PM10, not the combustion products from the wildfire which would cause a higher PM2.5 fraction. The hourly BAM PM2.5 at Anaheim, however, spiked in the evening of October 21, to a peak of  $134 \mu\text{g}/\text{m}^3$ , indicating that there was an impact from the fires that night. The soluble potassium analyzed from the Anaheim filter did increase on October 21, to  $3.44 \mu\text{g}/\text{m}^3$  from essentially zero on the previous sampling day. This was the highest potassium analyzed for the Basin on this day. This again is above normal, but still a relatively low concentration, indicating that while the smoke contributed to the particulate mass measured at Santa Clarita on this day, it accounts for only a small portion.

### **Windblown Dust Analysis**

The true color image from the NASA Terra satellite pass at approximately 1035 PST on October 21 is shown in Figure 2-2. The fires burning at this time are marked in red. Smoke in the image appears more white or grey while dust appears more brown. The offshore flow is clearly seen in this image in the smoke and dust blowing from the land over the ocean. The smoke from the Canyon Fire in Malibu is especially visible at this time, with smoke blowing from the northeast into Santa Monica Bay and out to sea. The fires in Ventura County and northern Los Angeles County also contributed smoke offshore. Large amounts dust can be seen over the water off the coast, throughout the California Bight. Areas of significant dust can be seen from the Palos Verdes Peninsula and also blowing offshore across the Orange County coast. Denser dust plumes can be seen blowing from the coasts at San Diego and in northern Baja. Smoke can also be seen from the Harris Fire in southern San Diego County, mixing with the windblown dust. No smoke is evident in the inland portions of the Basin at this time. Any dust blowing in Riverside or San Bernardino County cannot be distinguished from the land background at this time, except that bands of windblown dust can be seen where the contrast is greater over the Salton Sea and in the northern Gulf of California.



**FIGURE 2-2**  
**NASA Terra True Color Satellite Image near 1035 PST October 21, 2007**

The composite true color image from NASA Aqua satellite passes at approximately 1215 and 1350 PST on October 21 is shown in Figure 2-3. The fires, shown in red, have grown considerably by this time. A large amount of smoke is blowing across Ventura County from the Ranch and Buckweed Fires near Santa Clarita. Windblown dust is also evident in that plume, since the fires were mostly burning in the windiest areas of the mountains and foothills where windblown dust was a factor. The Canyon Fire in Malibu is still contributing smoke offshore at this time as well. A fire is now mapped in the mountains north of the Basin, probably the October Fire, although little smoke can be distinguished from the marked area. The amount of windblown dust crossing the coast from Palos Verdes to San Diego County increased significantly in the time from the last image. Windblown dust can be seen over the Inland Empire portion of the Basin where the PM10 concentrations were highest. The hourly TEOM PM10 concentrations peaked at Mira Loma, Lake Elsinore and San Bernardino near this time. Smoke from the



relatively new Witch Fire in central San Diego County was starting to blow toward the west. Both smoke and dust are evident from the Harris Fire in San Diego County and a large area of dust is blowing across Baja California.



**FIGURE 2-3**

**NASA Aqua True Color Satellite Image between 1215 and 1330 PST October 21, 2007**

*Diagonal line through Los Angeles due to composite of two passes: right portion at 1215 PST and left portion at 1350 PST)*



Along with their high wind warnings issued at 1059 PST on October 21, NWS San Diego reported peak wind gusts measured throughout the day from the following areas of the Basin:

- 85 mph in Freemont Canyon in the Santa Ana Mountains in Orange County;
- 79 mph and Palm Elementary School in San Bernardino;
- 75 mph in Mira Loma;
- 74 mph in Rancho Cucamonga;
- 67 mph in Rialto;
- 63 mph at Ontario Airport;
- 49 mph at Corona Airport;
- 48 mph at Devore (in the Cajon Pass).

Section A.6 of the Appendix contains the Significant Wind Report issued by NWS Oxnard for the Santa Ana event, including the following maximum wind gusts (as measured during the routine 10 observation period) from reporting stations in the Los Angeles County portion of the Basin:

- 108 mph at Whitaker Peak (LA County Mountains, near Castaic);
- 91 mph at Warm Springs (near Castaic);
- 86 mph at Camp Nine (Angeles National Forest);
- 78 mph in Newhall Pass;
- 67 mph in Saugus (Santa Clarita area)
- 64 mph in the Malibu Hills;
- 62 mph at Sandberg (northern LA County Mountains, near Gorman)
- 62 mph at Clear Creek (Angeles National Forest);
- 61 mph at Leo Carrillo Beach;
- 48 mph at Malibu Canyon;
- 40 mph at Van Nuys

Section A.1 of the Appendix contains NWS METAR weather observations for stations in the Basin, from near 1200 PST on October 20 through October 22. These include the sustained wind direction (labeled WD) and wind speed (WS, in mph), the highest gust during the 10 minute reporting period (Gust, in mph), and the peak wind speed reported through the previous hour (labeled PK WS, in mph), when reported, along with Visibility (in miles) and reported weather conditions, such as blowing dust (BLDU) and smoke (FU). Winds were generally strongest in the mountains and became gusty in the northern portions earlier than in the Basin.

The Sandberg weather station, in the northern LA County mountains already had strong, gusty winds on October 20 that continued through the 22<sup>nd</sup>. The Sandberg winds peaked in the late morning on October 21, with the previously mentioned gusts of 62 mph and

peak wind gusts (PK WS) of 67 mph during the hour preceding the 1052 PST observation. At that time, the only weather remark reported that day at Sandberg was squalls (SQ). NWS defines a squall as “a strong wind characterized by a sudden onset in which the wind speed increases at least 16 knots and is sustained at 22 knots or more for at least one minute.”

Unobstructed stations experienced the winds early and for most of the day. For example, Avalon Airport in Catalina Island experienced gusty easterly flow to 36 mph in the morning of October 21, starting at 0551 PST. The strong winds continued through most of the day, peaking at 54 mph before the 2251 PST observation. W.J. Fox Field in Lancaster experienced gusty winds through midday starting with the 0756 PST observation, peaking with a gust of 39 mph, then becoming light after 1700 PST. Blowing dust (BLDU) was also reported through the windy period. The winds at Palmdale Airport also spiked in the morning, starting at 0853 PST and continuing until 1700 PST with peak gusts to 43 mph. Van Nuys Airport in the San Fernando Valley measured strong winds, starting in the afternoon of October 20 and continuing through the next two days. Sustained winds at Van Nuys reached 29 mph early on October 21 with gust over 35 mph each hour through the morning that peaked at 44 mph at 0851 PST. No weather remarks were recorded at this station until 1351 PST when smoke was reported. The smoke reports at Van Nuys continued through the night and into the next day.

With the strong winds in the northern Los Angeles County mountains and below the passes and canyons in the Santa Clarita and San Fernando Valleys, the AQMD Santa Clarita air monitoring station measured FRM PM10 of 167  $\mu\text{g}/\text{m}^3$  for October 21. Unfortunately no PM10 or PM2.5 measurements at Van Nuys and no PM2.5 measurements at Santa Clarita were collected at this time to help assess the PM-coarse crustal material from windblown dust versus the PM2.5 combustion product from the Santa Clarita wildfire. However, a photomicrographic analysis was done by the AQMD Laboratory on a portion of the PM10 filter from Santa Clarita. These photographs are included in the Appendix, Section A.12. This analysis showed some evidence of ash from the wildfire as a minor component, estimated by the Laboratory between 1 and 10% of the total particles on the filter. Crustal materials (crystalline particles) were primarily found on the filter, as well as pollen and a small amount of rubber dust.

Chino Airport, in southwestern San Bernardino County reported mist (BR) at 0453 PST under calm conditions, then gusts to 31 mph during the next hour. The winds remained strong throughout the day with sustained winds reaching 32 mph and peak wind gusts to 44 mph in the morning and sustained winds to 34 mph in the afternoon and peak wind gusts reaching 52 mph in the evening. Blowing dust was reported at Chino during every hour between 0551 and 1653 PST, with low visibilities down to 1.5 miles.

Gusty winds also started abruptly at Ontario International Airport (ONT) in the morning, with sustained winds of 25 mph and gusts to 36 mph reported at 0553 PST. The ONT winds remained high through the rest of the day and through October 22, reaching the day's peak gust of 63 mph in the early evening. Haze was initially reported with the onset of the gusty winds, then haze and blowing dust reports continued through the remainder of October 21, with reduced visibilities as low as 1.5 miles. On October 22, ONT started reporting smoke (FU) along with blowing dust at 0653 PST as the widespread fires started impacting the station.

The NWS station at Riverside Municipal Airport is offline at night, but the winds were already gusty when measurements began at 0553 PST. Sustained winds to 29 mph were reported, with gusts to 40 mph and some reduced visibilities and blowing dust (BD) and blowing sand (BN). Gusty winds at March Air Reserve Base (ARB) started later in the morning, and remained relatively gusty through the day along with blowing dust reported, starting at 0955 PST. Visibilities to 4 miles were reported. In the high desert of San Bernardino county, the Marine Corps Air Station (MCAS) at Twentynine Palms reported blowing dust, reduced visibility and gusty winds through the afternoon of October 20 and the early morning of October 21.

Much of the windblown dust generated in the mountains and deserts of Riverside and San Bernardino counties was deposited downwind in those counties. The Perris FRM in western Riverside County measured the extreme PM<sub>10</sub> concentration of 1212  $\mu\text{g}/\text{m}^3$ . FRM PM<sub>10</sub> measurements at Mira Loma (681  $\mu\text{g}/\text{m}^3$ ), Rubidoux (559  $\mu\text{g}/\text{m}^3$ ), and Norco (332  $\mu\text{g}/\text{m}^3$ ) in the Riverside County portion of the Basin were also very high, as were the TEOM PM<sub>10</sub> averages from Rubidoux (275  $\mu\text{g}/\text{m}^3$ ), Mira Loma (581  $\mu\text{g}/\text{m}^3$ ) and Lake Elsinore (382  $\mu\text{g}/\text{m}^3$ ). The hourly PM<sub>10</sub> from the Rubidoux and Mira Loma stations (Table 2-3) were very high, starting in the late evening of October 20 and continuing until 1500 PST at Rubidoux and later at Mira Loma. The peak hourly PM<sub>10</sub> at Rubidoux was 695  $\mu\text{g}/\text{m}^3$ , although the instrument did not report for three hours in the early morning. Mira Loma measured three hours at 999  $\mu\text{g}/\text{m}^3$  between 0700 and 1100 PST, which is as high as the instrument is able to measure. The Lake Elsinore TEOM remained very high throughout the day, peaking at 824  $\mu\text{g}/\text{m}^3$  during the hour starting at 2200 PST.

In San Bernardino County, FRM PM<sub>10</sub> measurements at Fontana (276  $\mu\text{g}/\text{m}^3$ ), Ontario Fire Station (275  $\mu\text{g}/\text{m}^3$ ) and San Bernardino (219  $\mu\text{g}/\text{m}^3$ ) were high, as were the TEOM averages at San Bernardino (171  $\mu\text{g}/\text{m}^3$ ). The AQMD stations at Upland and Redlands were sheltered from the strong winds and the high PM<sub>10</sub>, with relatively low concentrations for this day of 70 (TEOM) and 97 (FRM)  $\mu\text{g}/\text{m}^3$  measured, respectively.

Some wind stations were initially sheltered from the strong winds, but experienced gusty winds as the Santa Ana event progressed with more of an easterly wind component.

Burbank, for example, did not become gusty until the afternoon and peaked at 40 mph under northeasterly flow. In contrast, nearby Whiteman Airport in Pacoima reported gusty winds since the observations started at 0647 PST in the morning, peaking at 37 mph before 0747 PST.

Fullerton Airport in northern Orange County only reported wind gusts sporadically, starting at 1051 PST, after being calm all morning. The peak wind gust measured was 37 mph. Starting at this time, the station reported haze (HZ), which could also be smoke or dust from an automated station, along with reduced visibilities down to 2.5 miles through the much of the day. John Wayne Airport in Santa Ana started reporting wind gusts at 0553 PST under east-northeasterly flow. The gusts reached 32 mph at 0853 and remained over 25 mph through most of the day with sustained winds to 26 mph and gust to 41 mph reported in the late afternoon. As the wildfires in the Orange County mountains grew, smoke was reported at John Wayne starting at 1706 PST and continuing into the next day. Visibilities dropped to two miles after 1900 PST through the rest of the night.

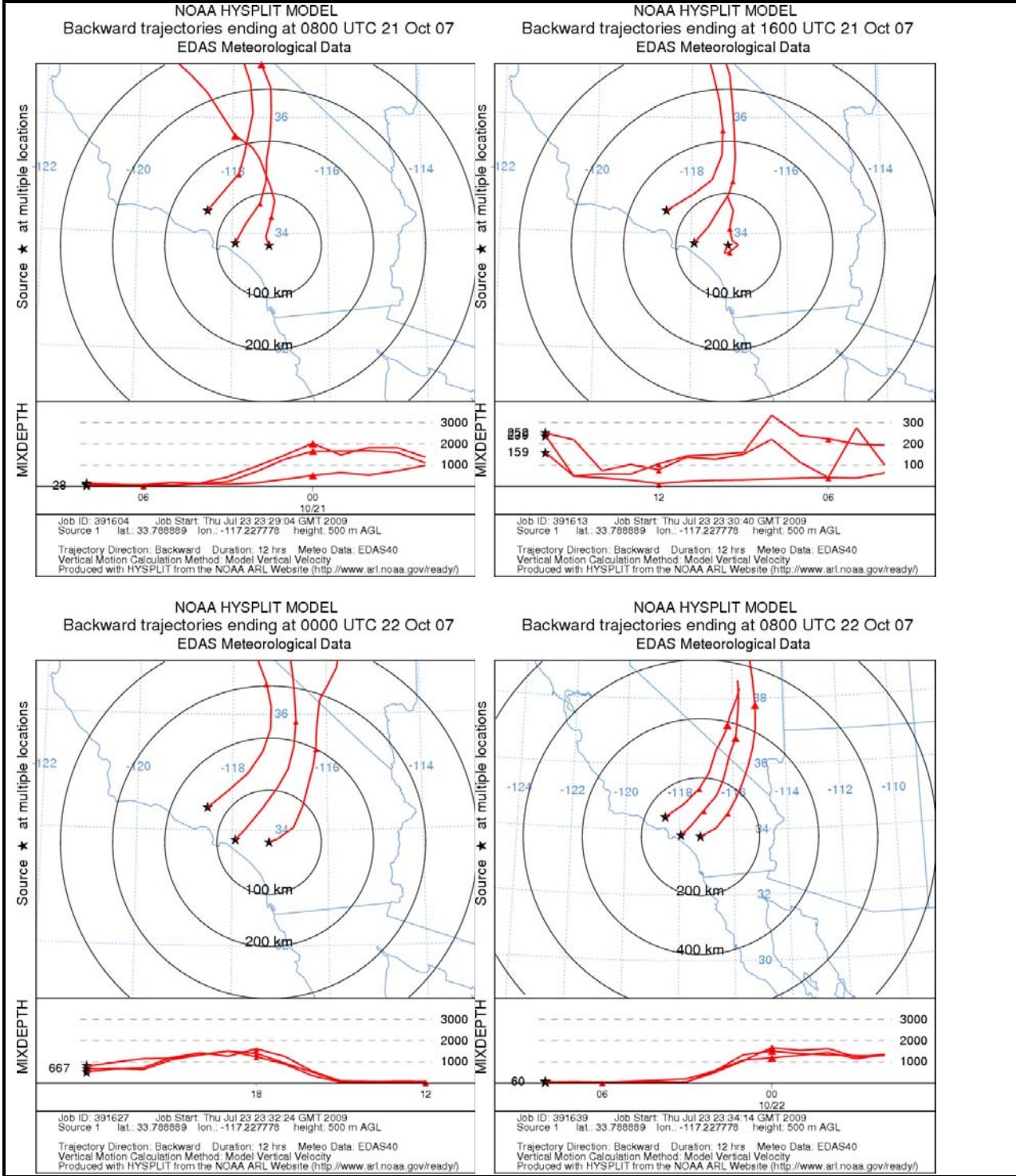
The FRM PM<sub>10</sub> at the AQMD Anaheim station in northwestern Orange County measured 489  $\mu\text{g}/\text{m}^3$ . The PM-Coarse fraction of the PM<sub>10</sub> at Anaheim was 94% for the day, indicating that crustal material from windblown dust was primarily responsible for most of the PM<sub>10</sub>, not the combustion products from the wildfire which would cause a higher PM<sub>2.5</sub> fraction. The hourly BAM PM<sub>2.5</sub> at Anaheim, however, spiked in the evening of October 21, to a peak of 134  $\mu\text{g}/\text{m}^3$ , indicating that there was an impact from the fires that night. Further south in Orange County, the FRM PM<sub>10</sub> at Mission Viejo only measured 74  $\mu\text{g}/\text{m}^3$ . Unlike Anaheim, this site is sheltered from the northeasterly offshore wind flow by the Santa Ana mountains.

At Long Beach Airport, wind gusts were not reported until 1053 PST when easterly winds affected the station and a peak gust of 36 mph was recorded. Blowing dust and haze were reported with reduced visibilities, as low as 3 miles, through the rest of the day. At the time of the easterly wind shift at Long Beach Airport and blowing dust reported, the North Long Beach hourly TEOM PM<sub>10</sub> climbed during the 1000 PST hour and spiked at 1100 PST to 343  $\mu\text{g}/\text{m}^3$  (Table 2-3 and Figure 2-1). While the winds in Long Beach were not particularly strong through rest of the day, this area was along the transport route for windblown dust generated upwind. The hourly PM<sub>10</sub> remained high throughout the day, peaking at 622  $\mu\text{g}/\text{m}^3$  during the 1800 PST hour under easterly flow. The FRM monitor at the AQMD South and North Long Beach stations measured 432 and 232  $\mu\text{g}/\text{m}^3$ , respectively, for the day and the Port Study temporary FRM stations were all high as well.

The winds at the NWS Downtown Los Angeles station at USC remained relatively calm through most of the day. The PM<sub>10</sub> from the AQMD Central Los Angeles station also remained relatively low (63  $\mu\text{g}/\text{m}^3$ ) on October 21. The El Monte Airport winds also

stayed light throughout the day. Likewise, the NWS winds at Los Angeles International Airport (LAX) also remained light through the day, although smoke was reported, starting at 1150 PST and through the following day. LAX reported reduced visibilities to 6 miles through the evening. Winds at nearby Hawthorne Airport were also light. Santa Monica Airport winds were light as well. Further south in Los Angeles County at Torrance Airport, the winds were a little stronger, but no gusts were reported. Torrance reported blowing dust for two observations at 1147 and 1230 PST with visibility down to 4 miles. Torrance also reported smoke at the end of the day with reduced visibility. Brackett Field in La Verne (eastern LA County) remained sheltered by the mountains and did not report any gusty winds during the station's daytime operating period. These Los Angeles County stations were not in the primary transport route of windblown dust from upwind and the PM10 concentrations at the AQMD stations in Central and West Los Angeles County remained relatively low.

Figure 2-4 shows the back trajectories calculated using the NOAA HYSPLIT trajectory model with the 40 km grid resolution EDAS North American Model (NAM) meteorological data. Each chart shows the origin of the air mass over a 12-hour period that reached the Perris, Anaheim and Santa Clarita monitoring stations, every 8 hours on October 21 between midnight and midnight. This time range encompasses the high winds that affected the midnight to midnight PM10 filter measurements throughout the Basin. The trajectories show that the air mass that impacted these stations initially came primarily from the north and shifted to come from the northeast as the Santa Ana wind event progressed. The back trajectories also show the likelihood that windblown dust from the mountains and high deserts impacted the Basin stations, along with dust generated within the Basin from the gusty local winds.



**FIGURE 2-4**  
**24-Hour Back Trajectories Reaching the Perris, Anaheim and Santa Clarita Air**  
**Monitoring Stations every 8 hours between 0000 PST (0800 UTC) October 21**  
**and 0000 PST (0800 UTC) October 22 from NOAA HYSPLIT Model**  
**using EDAS Meteorological Inputs**

(HYSPLIT Use Agreement: [http://www.ready.noaa.gov/ready/hysplit\\_agreement.html](http://www.ready.noaa.gov/ready/hysplit_agreement.html))

A survey of the AQMD complaint records and inspection reports for the Riverside and San Bernardino County portions of the Basin indicated no evidence of unusual particulate emissions on October 21, 2007, other than related to the windblown dust event. The complaints are summarized in Table 2-10 from the AQMD CLean Air Support System (CLASS) database for complaints and compliance actions. Due to the windy conditions, AQMD Compliance staff responded to 17 complaints related to windblown dust. Most were in San Bernardino and Riverside Counties and many were in the same two areas (Mira Loma and Beaumont). No Notices of Violation or Notices to Comply were issued in the Basin for fugitive dust violations on this day. The control methods were generally effective throughout the Basin, but were apparently overwhelmed in several instances by the strong, gusty winds, causing windblown dust and sand to be entrained in the atmosphere and to cross property lines.

**TABLE 2-10**

**Summary of PM-Related Complaints in the South Coast Air Basin on October 21, 2007**

<b>Complaint Date/Time</b>	<b>Location</b>	<b>Complaint Description</b>	<b>Disposition</b>
10/21/07 0813 PST	Rancho Cucamonga	Blowing Dust from construction building a dam at 210 & 15 Fwys	Complainant observed dust at 0600 PST that kept blowing the whole day until approximately 0600 PST on 12/22. No blowing dust at follow-up on 10/23
10/21/07 0821 PST	Mira Loma	Excessive Dust, Very High Wind Everywhere – dust from construction site	Inspector did not observe dust on follow-up, but discussed increased watering and stabilization during high wind events with the contractor.
10/21/07 0858 PST	Banning	House is covered with sand blowing all over. Ready mix facility not watering. Odor complaints	No blowing dust observed on follow-up. Inspector addressed odor complaints
10/21/07 0910 PST	Beaumont	Excessive dust coming from empty lot	At follow-up on 10/23, inspector observed a large plume of dust from a 2-acre vacant agricultural plot with wind speeds measured at an average of 31 mph with gusts to 37 mph from the east. Inspector met with owner and city managers to discuss further controls. Inspector determined that existing vegetation was overwhelmed by the Santa Ana wind event and that the site was in compliance.
10/21/07 0910 PST	Mira Loma	Excessive dust, no water trucks, dust all over	Second complainant related to the Mira Loma complaint above.
10/21/07 0941 PST	Irvine	Very thick dust, no dust control at construction sites	No visible fugitive dust was observed at follow-up on 10/23 and sites were operating in compliance. Site was near are burned by wildfire on 10/21.
10/21/07 0952 PST	Fontana	High dust control problem in front of business from city construction site	Inspector arrived at 1010 PST on 10/21. Winds were 15 mph on average with gust to 27 mph. A small dirt pile was present but no operations were ongoing. Inspector did not observe visible fugitive dust emissions, but discussed ways to control fugitive dust with the operator.
10/21/07 1000 PST	Beaumont	Excessive dust from construction site	Second complainant related to the Beaumont complaint above.
10/21/07 1124 PST	Fontana	Dirt & sand coming into yard and home	Unable to contact complainant
10/21/07 1205 PST	Beaumont	Dust from construction site	Third complainant related to the Beaumont complaint above.
10/21/07 1208 PST	Canyon Lake (Riverside County)	Excessive dust from construction site	Inspector found the construction site to be operating in compliance upon follow-up on 10/23.
10/21/07 1555 PST	Beaumont	Excessive dust blowing across Highland	Fourth Complainant related to the Beaumont complaint above. Complainant said he had never seen anything like this dust storm in 3.5 years of living there.
10/21/07 1607 PST	Anaheim Hills	Wind “blowing so hard you can’t breathe”	Inspector found the alleged source, a home construction site, operating in compliance at follow-up on 10/23.
10/21/07 1617 PST	Beaumont	Excessive dust, “at least a quarter in of dust on cars”	Fifth complaint related to the Beaumont complaint above.
10/21/07 1622 PST	Mira Loma	Excessive amount of dust (voicemail)	Third complainant related to the Mira Loma complaint above.
10/21/07 2003 PST	Beaumont	Excessive amount of dust (voicemail)	Fifth complaint related to the Beaumont complaint above.
10/21/07 2130 PST	Mira Loma	Excessive amount of dust (voicemail)	Fourth complainant related to the Mira Loma complaint above.



## **Conclusion**

There is a strong causal connection between the high PM<sub>10</sub> measured in the Basin on October 21 and the strong Santa Ana high wind event, supported by the meteorological conditions. An upper level trough and frontal system preceded the development of a strong pressure gradient between the high pressure that developed in the northwestern United States and the low pressure in southern California. This brought strong northerly winds in the evening of October 20 that shifted to northerly and easterly directions through the day on October 21 as the Great Basin high expanded eastward. The pressure gradients were very strong and extremely high wind gusts were measured throughout the day in the areas that favor northeasterly winds, especially the mountains surrounding the Basin and through and below canyons and passes. The synoptic weather pattern aloft and thermal structure also supported the strong Santa Ana wind event.

Peak wind gusts to 108 mph were recorded in the mountains, with gusts to 79 mph measured in the low land areas of the Basin on the lee side of the mountains. NWS observations of reduced visibilities and NCDC storm damage event reports also support the windblown dust analysis. Due to the widespread winds, sources of the windblown dust included both natural, undisturbed areas, particularly in the mountains and high deserts, and BACM-controlled anthropogenic sources. The timing of this event is verified with the high wind observations and reports of reduced visibility and blowing sand and dust, in conjunction with the hourly TEOM PM<sub>10</sub> measurements from available monitors. These show a strong correlation between the high winds and high hourly PM<sub>10</sub> concentrations.

The strong winds on October 21 fanned a total of 12 wildfires on October 20 and 21. These were analyzed for their contribution to the PM<sub>10</sub> measurements. Overall, the fires contributed only a small fraction to the PM<sub>10</sub> measured as shown by the relatively low concentrations of PM<sub>2.5</sub> and soluble potassium. The Anaheim and Santa Clarita stations had the greatest smoke impacts measured in the Basin on October 21, but the contribution of the larger crustal particles (PM-Coarse) was significantly greater than that from the smaller combustion particles (PM<sub>2.5</sub>). Much of the smoke on this day was blown offshore by the strong winds. Smoke impacts played a greater role in the following days as the winds diminished and the onshore flow started to return, causing PM<sub>2.5</sub> 24-hour NAAQS violations.

The PM<sub>10</sub> concentrations were very high at 11 FRM station in the Basin, including areas of all four counties. The 24-hour PM<sub>10</sub> concentrations at Perris, Mira Loma High School, Riverside-Rubidoux, Anaheim and South Long Beach were extreme, far exceeding the measurements in the Basin for many years. Station operators reported large amounts of windblown dust and sand around, on and in those monitors when the filters were collected. The area of the Banning Airport air monitoring was also reported

to have large deposits of windblown sand and dust, but this filter was damaged before it could be retrieved.

If not for the high wind event and the associated wind-entrained dust, the PM10 NAAQS violations measured at Basin air monitoring stations on October 21 would not have occurred. Therefore, with the weight of evidence provided, AQMD staff recommends the flagging of the PM10 NAAQS violations on October 21, 2007 as exceptional events due to high winds in the U.S. EPA Air Quality System (AQS) database.



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**PLANNING, RULE DEVELOPMENT, AND AREA SOURCES**



---

**APPENDIX**  
**to**  
**ANALYSIS OF EXCEPTIONAL EVENTS**  
**CONTRIBUTING TO HIGH PM<sub>10</sub> CONCENTRATIONS**  
**IN THE SOUTH COAST AIR BASIN ON OCTOBER 21, 2007**  
**SUPPORTING DOCUMENTS**

---



# TABLE OF CONTENTS

<b>TABLE OF CONTENTS .....</b>	<b>i</b>
<b>A SUPPORTING MATERIALS.....</b>	<b>1</b>
<i>A.1 Meteorological Observations.....</i>	<i>1</i>
<i>A.2 National Weather Service Weather Forecast Discussions.....</i>	<i>51</i>
NWS Los Angeles/Oxnard Forecast Office .....	51
NWS San Diego Forecast Office.....	66
<i>A.3 National Weather Service Short Term Forecasts (Nowcasts).....</i>	<i>81</i>
NWS Los Angeles/Oxnard Forecast Office .....	81
NWS San Diego Forecast Office.....	82
<i>A.4 National Weather Fire Weather Forecasts .....</i>	<i>86</i>
NWS Los Angeles/Oxnard Forecast Office .....	86
NWS San Diego Forecast Office.....	90
<i>A.5 National Weather Non-Precipitation Warnings (Wind Advisories).....</i>	<i>93</i>
NWS Los Angeles/Oxnard Forecast Office .....	93
NWS San Diego Forecast Office.....	113
<i>A.6 National Weather Service – Significant Wind Report.....</i>	<i>134</i>
NWS Los Angeles/Oxnard Forecast Office .....	134
<i>A.7 National Climatic Data Center Event Records.....</i>	<i>135</i>
<i>A.8 NOAA Satellite Services Division - Satellite Smoke Text Products.....</i>	<i>162</i>
<i>A.9 Links and News Articles.....</i>	<i>165</i>
LA Times Article 10/22/2007 .....	165
<i>A.10 Wildfire Information .....</i>	<i>169</i>
EOS Fire Summary Map .....	169
California Office of Emergency Services/CalFire Joint Incident Briefing.....	170
California Governor’s Fact Sheet on 2007 Wildfires.....	178
<i>A.11 AQMD Advisories .....</i>	<i>183</i>
<i>A.12 AQMD PM10 Filter Microscopy Analysis.....</i>	<i>184</i>
Santa Clarita Air Monitoring Station .....	184
<i>A.13 National Weather Service 500 MB Analyses .....</i>	<i>185</i>
<i>A.14 National Weather Service Surface Analyses.....</i>	<i>190</i>



## A SUPPORTING MATERIALS

### A.1 Meteorological Observations

Catalina Island Avalon Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
AVX	20071020	1051	280	10			10	
AVX	20071020	1151	250	6			10	
AVX	20071020	1251	230	6			8	
AVX	20071020	1351	270	7			10	
AVX	20071020	1451	280	13	18		10	
AVX	20071020	1551	320	13	21		10	
AVX	20071020	1651	300	10	20		10	
AVX	20071020	1751	330	10			10	
AVX	20071020	1851	340	11			10	
AVX	20071020	1951	350	16	21		10	
AVX	20071020	2051	350	14			10	
AVX	20071020	2151	340	15			10	
AVX	20071020	2251	350	14	21		10	
AVX	20071020	2351	10	11			10	
AVX	20071021	51	360	8			10	
AVX	20071021	151	10	9			10	
AVX	20071021	251	80	14			10	
AVX	20071021	351	60	11			10	
AVX	20071021	451	60	14			10	
AVX	20071021	551	80	23	34	35	10	
AVX	20071021	651	70	16	28	35	10	
AVX	20071021	751	70	15			7	
AVX	20071021	851	80	20	28	30	10	
AVX	20071021	951	80	21	33	36	10	
AVX	20071021	1051	80	17	26	30	10	
AVX	20071021	1151	80	13	21		10	
AVX	20071021	1251	70	14			10	
AVX	20071021	1351	90	13	17		10	
AVX	20071021	1451	70	17	26		10	
AVX	20071021	1551	80	25	38	38	10	
AVX	20071021	1651	80	33	46	46	10	
AVX	20071021	1751	90	30	43	46	10	
AVX	20071021	1851	70	29	44	44	10	
AVX	20071021	1951	80	25	43	49	10	



AVX	20071021	2051	80	<b>31</b>	<b>49</b>	<b>53</b>	10	
AVX	20071021	2151	80	<b>38</b>	<b>48</b>	<b>48</b>	8	
AVX	20071021	2251	70	<b>28</b>	<b>43</b>	<b>54</b>	10	
AVX	20071021	2351	80	<b>25</b>	<b>38</b>	<b>44</b>	8	
AVX	20071022	51	80	<b>30</b>	<b>44</b>	<b>44</b>	10	
AVX	20071022	151	90	<b>33</b>	<b>46</b>	<b>46</b>	10	
AVX	20071022	251	70	<b>25</b>	<b>36</b>	<b>44</b>	10	
AVX	20071022	351	80	<b>26</b>	<b>38</b>	<b>46</b>	10	
AVX	20071022	451	80	<b>28</b>	<b>38</b>	<b>45</b>	10	
AVX	20071022	551	70	21	<b>36</b>	<b>41</b>	10	
AVX	20071022	651	90	22	<b>36</b>	<b>41</b>	8	
AVX	20071022	751	90	21	<b>30</b>	<b>35</b>	10	
AVX	20071022	851	80	<b>29</b>	<b>39</b>	<b>39</b>	10	
AVX	20071022	951	70	<b>25</b>	<b>43</b>	<b>43</b>	10	
AVX	20071022	1051	70	<b>25</b>	<b>34</b>	<b>45</b>	8	
AVX	20071022	1151	40	15		<b>35</b>	8	
AVX	20071022	1251	70	20	24		7	
AVX	20071022	1351	70	17	24		7	
AVX	20071022	1451	70	17	<b>26</b>		7	
AVX	20071022	1551	80	16	24		7	
AVX	20071022	1651	80	22	<b>32</b>	<b>32</b>	7	
AVX	20071022	1751	80	20	<b>29</b>	<b>32</b>	10	
AVX	20071022	1851	80	17	<b>26</b>		10	
AVX	20071022	1951	80	13			10	
AVX	20071022	2051	80	16			10	
AVX	20071022	2151	80	16	22		10	
AVX	20071022	2251	90	16	<b>25</b>		10	
AVX	20071022	2351	80	18	24		10	

Burbank Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
BUR	20071020	1153	310	8	21		10	
BUR	20071020	1253	310	10			10	
BUR	20071020	1353	330	22	<b>32</b>	<b>32</b>	10	
BUR	20071020	1453	320	17	<b>28</b>	<b>30</b>	10	
BUR	20071020	1553	340	17	24		10	
BUR	20071020	1653	VR	5			10	
BUR	20071020	1753	350	10	22		10	
BUR	20071020	1853	320	16	<b>26</b>		10	
BUR	20071020	1953	290	10			10	
BUR	20071020	2053	290	17	24		10	
BUR	20071020	2153	330	21	<b>32</b>	<b>33</b>	10	
BUR	20071020	2253	350	23	<b>32</b>	<b>32</b>	10	
BUR	20071020	2353	330	13	16	<b>32</b>	10	
BUR	20071021	53	80	3			10	
BUR	20071021	153	0	0			10	
BUR	20071021	253	120	5			10	
BUR	20071021	353	0	0			10	
BUR	20071021	453	0	0			10	
BUR	20071021	553	0	0			10	
BUR	20071021	653	0	0			10	
BUR	20071021	753	0	0			10	
BUR	20071021	853	0	0			10	
BUR	20071021	953	170	6			10	
BUR	20071021	1053	0	0			10	
BUR	20071021	1153	150	5	16		10	
BUR	20071021	1253	50	10	17		10	
BUR	20071021	1353	50	15	23		10	
BUR	20071021	1453	60	15	24		10	
BUR	20071021	1553	80	10	23		10	
BUR	20071021	1653	70	20	<b>34</b>	<b>35</b>	10	
BUR	20071021	1753	50	<b>26</b>	<b>39</b>	<b>39</b>	10	
BUR	20071021	1853	40	10	23	<b>40</b>	10	
BUR	20071021	1953	50	16	23	<b>36</b>	10	
BUR	20071021	2053	30	13	21		10	
BUR	20071021	2153	20	15			10	
BUR	20071021	2253	40	16	23		10	
BUR	20071021	2353	0	0			10	
BUR	20071022	30	110	11	<b>30</b>	<b>30</b>	10	
BUR	20071022	53	90	9		<b>30</b>	10	

BUR	20071022	153	20	8			10	
BUR	20071022	253	0	0			10	
BUR	20071022	353	50	18	23		10	
BUR	20071022	453	60	14	22	<b>30</b>	10	
BUR	20071022	553	70	13	20		10	
BUR	20071022	653	0	0			10	
BUR	20071022	753	130	8			10	
BUR	20071022	853	120	3			10	
BUR	20071022	953	110	5			10	
BUR	20071022	1053	180	5			10	
BUR	20071022	1153	0	0			10	
BUR	20071022	1253	160	8			10	
BUR	20071022	1353	170	8			10	
BUR	20071022	1453	170	6			10	
BUR	20071022	1553	200	7			10	
BUR	20071022	1653	180	3			10	
BUR	20071022	1753	190	5			10	
BUR	20071022	1853	0	0			10	
BUR	20071022	1953	0	0			10	
BUR	20071022	2053	0	0			10	
BUR	20071022	2153	110	6			10	
BUR	20071022	2253	360	6			10	
BUR	20071022	2353	0	0			10	

Chino Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
CNO	20071020	1153	220	6			10	
CNO	20071020	1253	280	11			10	
CNO	20071020	1353	240	11			10	
CNO	20071020	1453	270	15			10	
CNO	20071020	1553	230	14			10	
CNO	20071020	1653	250	8			10	
CNO	20071020	1753	260	5			10	
CNO	20071020	1853	330	5			8	
CNO	20071020	1953	10	5			7	
CNO	20071020	2053	0	0			7	
CNO	20071020	2153	0	0			7	
CNO	20071020	2253	360	6			6	HZ
CNO	20071020	2353	0	0			6	HZ
CNO	20071021	53	320	5			6	BR
CNO	20071021	153	0	0			7	
CNO	20071021	253	340	6			7	
CNO	20071021	353	0	0			7	
CNO	20071021	453	0	0			6	BR
CNO	20071021	535	70	15	31	31	2.5	HZ
CNO	20071021	551	50	13	36	36	3	BLDU
CNO	20071021	553	40	15	32	36	3	BLDU
CNO	20071021	651	50	16	36	37	2	BLDU
CNO	20071021	653	60	23	36	37	2	BLDU
CNO	20071021	753	60	32	44	41	2	BLDU
CNO	20071021	851	80	29	40	35	3	BLDU
CNO	20071021	853	80	29	40	35	3	BLDU
CNO	20071021	953	80	25	37	37	3	BLDU
CNO	20071021	1051	70	24	39	40	2	BLDU
CNO	20071021	1053	80	23	39	40	2	BLDU
CNO	20071021	1153	60	21	37	41	2	BLDU
CNO	20071021	1253	70	26	39	44	2	BLDU
CNO	20071021	1351	60	16	32	36	6	BLDU
CNO	20071021	1353	70	15	32	36	6	BLDU
CNO	20071021	1430	60	34	46	41	2	BLDU
CNO	20071021	1451	60	34	46	41	3	BLDU
CNO	20071021	1453	60	34	46	41	3	BLDU
CNO	20071021	1500	60	14	36	35	1.5	BLDU
CNO	20071021	1508	60	21	36	36	2	BLDU
CNO	20071021	1551	70	18	33	39	3	BLDU
CNO	20071021	1553	70	16	33	39	3	BLDU
CNO	20071021	1653	50	14	39	39	3	BLDU
CNO	20071021	1710	50	22	52	52	0.25	
CNO	20071021	1726	60	25	39	52	0.75	

CNO	20071021	1749	70	26	49	52	1	HZ BLDU
CNO	20071021	1753	80	30	49	52	1	HZ BLDU
CNO	20071021	1819	50	21	45	45	2.5	HZ BLDU
CNO	20071021	1830	50	18	46	46	0.5	HZ
CNO	20071021	1853	60	21	46	46	0.5	HZ
CNO	20071021	1939	50	16	45	45	2	HZ
CNO	20071021	1953	60	21	41	45	2.5	HZ
CNO	20071021	2003	60	18	38	38	1.5	HZ
CNO	20071021	2014	60	16	44	44	1.25	
CNO	20071021	2021	60	17	51	51	2	HZ
CNO	20071021	2029	50	23	49	51	1.5	
CNO	20071021	2051	50	18	47	51	0.75	
CNO	20071021	2053	50	22	47	51	0.75	
CNO	20071021	2101	50	26	45	45	1	
CNO	20071021	2108	50	24	46	46	0.75	
CNO	20071021	2115	50	22	54	54	0.5	
CNO	20071021	2124	50	26	54	54	0.75	
CNO	20071021	2137	60	26	58	58	0.5	
CNO	20071021	2153	60	29	49	58	1	
CNO	20071021	2253	60	25	51	52	1.5	
CNO	20071021	2323	50	21	44	44	1.5	HZ
CNO	20071021	2330	50	23	40	44	1.75	HZ
CNO	20071021	2339	50	18	47	47	1.5	HZ
CNO	20071021	2353	60	22	41	47	1.75	HZ
CNO	20071022	27	50	22	46	47	2	HZ
CNO	20071022	48	60	22	46	47	2.5	HZ
CNO	20071022	53	50	25	43	47	3	HZ
CNO	20071022	144	50	21	47	47	2.5	HZ
CNO	20071022	151	60	20	40	47	3	HZ
CNO	20071022	153	60	23	43	47	3	HZ
CNO	20071022	253	60	24	49	49	3	HZ
CNO	20071022	337	60	24	55	55	2.5	HZ
CNO	20071022	351	60	25	51	55	3	HZ
CNO	20071022	353	70	22	51	55	3	HZ
CNO	20071022	402	60	22	48	48	2	HZ
CNO	20071022	417	50	21	43	48	3	HZ
CNO	20071022	453	70	18	45	48	4	HZ
CNO	20071022	514	70	25	49	49	2.5	HZ
CNO	20071022	551	50	23	40	51	5	BLDU
CNO	20071022	553	50	18	40	51	5	BLDU
CNO	20071022	653	60	18	44	44	3	BLDU
CNO	20071022	753	60	18	44	46	3	BLDU
CNO	20071022	853	50	14	39	49	5	BLDU FU
CNO	20071022	953	40	15	38	38	5	BLDU FU
CNO	20071022	1053	50	13	30	38	5	BLDU FU
CNO	20071022	1153	60	16	38	40	6	BLDU FU
CNO	20071022	1253	70	18	30	33	6	BLDU FU
CNO	20071022	1353	70	13	29	31	6	BLDU FU

CNO	20071022	1453	60	10	<b>26</b>	<b>31</b>	<b>7</b>	<b>FU</b>
CNO	20071022	1553	50	10	23	<b>32</b>	<b>7</b>	
CNO	20071022	1653	50	11	<b>25</b>		<b>7</b>	
CNO	20071022	1753	60	14	<b>30</b>	<b>32</b>	8	
CNO	20071022	1853	70	15	<b>36</b>	<b>36</b>	10	<b>FU</b>
CNO	20071022	1953	80	20	<b>31</b>	<b>31</b>	8	
CNO	20071022	2053	70	11	<b>26</b>	<b>31</b>	8	
CNO	20071022	2153	70	14	<b>29</b>	<b>32</b>	<b>7</b>	
CNO	20071022	2253	80	16	<b>26</b>	<b>31</b>	<b>7</b>	
CNO	20071022	2353	80	14	<b>25</b>	<b>35</b>	8	

El Monte Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
EMT	20071020	1047	VR	5			15	
EMT	20071020	1247	190	11			15	
EMT	20071020	1351	220	11			13	
EMT	20071020	1447	180	17			13	
EMT	20071020	1547	190	14			13	
EMT	20071020	1647	190	14			13	
EMT	20071020	1747	VR	7			13	
EMT	20071021	649	VR	6			13	
EMT	20071021	747	0	0			16	
EMT	20071021	847	0	0			20	
EMT	20071021	947	VR	6			20	
EMT	20071021	1047	170	10			20	
EMT	20071021	1147	VR	7			20	
EMT	20071021	1247	180	6			20	
EMT	20071021	1448	0	0			20	
EMT	20071021	1547	30	11			20	
EMT	20071021	1748	VR	6			20	
EMT	20071022	756	0	0			8	
EMT	20071022	854	0	0			8	
EMT	20071022	947	M	M			10	
EMT	20071022	1052	VR	6			0	
EMT	20071022	1347	250	11			13	
EMT	20071022	1447	250	6			13	
EMT	20071022	1547	190	6			13	
EMT	20071022	1650	0	0			13	
EMT	20071022	1750	0	0			13	

Fullerton Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
FUL	20071020	1153	0	0		40	10	
FUL	20071020	1253	230	6			9	
FUL	20071020	1353	150	7			10	
FUL	20071020	1453	190	6			10	
FUL	20071020	1553	150	7			10	
FUL	20071020	1653	140	8			10	
FUL	20071020	1753	130	6			10	
FUL	20071020	1853	VR	7			10	
FUL	20071020	1953	120	6			10	
FUL	20071020	2053	50	3			10	
FUL	20071020	2153	80	3			10	
FUL	20071020	2253	0	0			10	
FUL	20071020	2353	80	3			10	
FUL	20071021	53	0	0			10	
FUL	20071021	153	0	0			10	
FUL	20071021	253	0	0			10	
FUL	20071021	353	0	0			10	
FUL	20071021	453	0	0			10	
FUL	20071021	553	0	0			10	
FUL	20071021	653	350	3			9	
FUL	20071021	753	0	0			10	
FUL	20071021	853	320	3			10	
FUL	20071021	953	0	0			10	
FUL	20071021	1051	90	20	28		3	HZ
FUL	20071021	1053	90	22	28		3	HZ
FUL	20071021	1153	80	14	26	37	4	HZ
FUL	20071021	1243	100	18			2.5	HZ
FUL	20071021	1253	90	16	25		2.5	HZ
FUL	20071021	1306	100	15			2.5	HZ
FUL	20071021	1314	100	11			2.5	HZ
FUL	20071021	1323	100	13			3	HZ
FUL	20071021	1353	90	14			5	HZ
FUL	20071021	1453	90	20	25		10	
FUL	20071021	1553	70	13			7	
FUL	20071021	1653	80	6			5	HZ
FUL	20071021	1747	80	14	22		4	HZ
FUL	20071021	1753	80	14			4	HZ
FUL	20071021	1807	80	14	20		4	HZ
FUL	20071021	1828	70	14	21		4	HZ
FUL	20071021	1840	60	10	18		5	HZ



FUL	20071021	1853	60	11	20		6	HZ
FUL	20071021	1909	40	10	17		4	HZ
FUL	20071021	1941	60	9			4	HZ
FUL	20071021	1951	70	17	22		4	HZ
FUL	20071021	1953	70	14	22		5	HZ
FUL	20071021	2053	70	10			5	HZ
FUL	20071021	2153	100	5			8	
FUL	20071021	2253	80	5			10	
FUL	20071021	2353	330	5			10	
FUL	20071022	53	330	3			10	
FUL	20071022	153	60	11	22		6	HZ
FUL	20071022	253	360	8	17		6	HZ
FUL	20071022	353	10	9	17		7	
FUL	20071022	453	70	6			10	
FUL	20071022	553	VR	3			9	
FUL	20071022	653	0	0			10	
FUL	20071022	753	0	0			9	
FUL	20071022	853	310	5			8	
FUL	20071022	953	10	6			10	
FUL	20071022	1053	290	7			10	
FUL	20071022	1153	300	8			10	
FUL	20071022	1253	100	11	17		6	HZ
FUL	20071022	1353	80	13	30	30	7	
FUL	20071022	1453	80	15	22	30	6	HZ
FUL	20071022	1553	70	17	23		9	
FUL	20071022	1653	60	8			10	
FUL	20071022	1753	70	20	26		10	
FUL	20071022	1853	70	15	23	32	10	
FUL	20071022	1953	90	10	18		10	
FUL	20071022	2053	330	3			10	
FUL	20071022	2153	340	3			10	
FUL	20071022	2253	0	0			10	
FUL	20071022	2353	0	0			10	

Hawthorne Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
HAW	20071020	1153	250	10			4	HZ
HAW	20071020	1253	240	10			10	
HAW	20071020	1353	250	10			10	
HAW	20071020	1453	250	9			10	
HAW	20071020	1553	240	7			10	
HAW	20071020	1653	280	6			10	
HAW	20071020	1753	310	9	16		10	
HAW	20071020	1853	300	9	17		10	
HAW	20071020	1953	320	8	16		10	
HAW	20071020	2053	320	9			10	
HAW	20071020	2153	0	0			10	
HAW	20071020	2253	0	0			10	
HAW	20071020	2353	0	0			10	
HAW	20071021	53	0	0			10	
HAW	20071021	153	0	0			10	
HAW	20071021	253	0	0			10	
HAW	20071021	353	0	0			8	
HAW	20071021	453	0	0			10	
HAW	20071021	553	0	0			10	
HAW	20071021	653	0	0			10	
HAW	20071021	753	0	0			9	
HAW	20071021	853	0	0			10	
HAW	20071021	953	0	0			10	
HAW	20071021	1053	100	3			10	
HAW	20071021	1153	VR	3			10	
HAW	20071021	1253	240	7			10	
HAW	20071021	1353	230	10			10	
HAW	20071021	1453	250	9			10	
HAW	20071021	1553	250	8			10	
HAW	20071021	1653	250	3			10	
HAW	20071021	1753	220	3			10	
HAW	20071021	1853	0	0			10	
HAW	20071021	1953	0	0			10	
HAW	20071021	2053	0	0			8	
HAW	20071021	2153	0	0			7	
HAW	20071021	2253	0	0			7	
HAW	20071021	2353	0	0			7	
HAW	20071022	53	0	0			6	HZ
HAW	20071022	153	0	0			7	
HAW	20071022	253	0	0			8	

HAW	20071022	353	0	0			8	
HAW	20071022	453	0	0			8	
HAW	20071022	553	0	0			8	
HAW	20071022	653	0	0			<b>6</b>	<b>HZ</b>
HAW	20071022	753	0	0			<b>6</b>	<b>HZ</b>
HAW	20071022	853	120	3			8	
HAW	20071022	953	240	3			10	
HAW	20071022	1053	220	6			10	
HAW	20071022	1153	250	8			10	
HAW	20071022	1253	240	6			10	
HAW	20071022	1353	260	7			10	
HAW	20071022	1453	290	3			10	
HAW	20071022	1502	260	5			<b>1.75</b>	<b>HZ</b>
HAW	20071022	1510	270	6			10	
HAW	20071022	1553	300	5			10	
HAW	20071022	1653	0	0			10	
HAW	20071022	1753	0	0			10	
HAW	20071022	1853	0	0			10	
HAW	20071022	1953	0	0			10	
HAW	20071022	2053	0	0			10	
HAW	20071022	2153	0	0			10	
HAW	20071022	2253	0	0			10	
HAW	20071022	2353	0	0			10	

Brackett Field - La Verne								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
POC	20071020	1147	VR	6			30	
POC	20071020	1247	VR	6			30	
POC	20071020	1347	220	7			30	
POC	20071020	1547	270	11			30	
POC	20071020	1747	220	6			10	
POC	20071021	547	0	0			30	
POC	20071021	647	VR	3			30	
POC	20071021	747	VR	6			20	
POC	20071021	847	240	7			20	
POC	20071021	1147	240	7			20	
POC	20071021	1247	190	6			20	
POC	20071021	1347	300	6			30	
POC	20071021	1447	330	9			30	
POC	20071021	1547	330	11			20	
POC	20071021	1747	210	6			20	
POC	20071022	547	0	0			10	
POC	20071022	647	VR	3			10	
POC	20071022	747	VR	3			10	
POC	20071022	847	240	5			7	
POC	20071022	947	250	9			15	
POC	20071022	1049	250	9			7	
POC	20071022	1447	240	9			7	
POC	20071022	1547	260	7			7	
POC	20071022	1747	240	6			0	
POC	20071022	1847	VR	3			10	

W.J. Fox Field - Lancaster								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
WJF	20071020	1156	260	37	43	45	10	
WJF	20071020	1256	260	33	44	46	5	BLDU
WJF	20071020	1356	260	36	45	45	9	BLDU
WJF	20071020	1456	270	25	38	43	10	BLDU
WJF	20071020	1556	270	30	39	39	10	BLDU
WJF	20071020	1656	260	22	29	40	10	
WJF	20071020	1756	270	30	39	39	10	
WJF	20071020	1856	270	43	53	53	5	BLDU
WJF	20071020	1956	280	30	46	49	10	BLDU
WJF	20071020	2056	280	21	34	37	10	BLDU
WJF	20071020	2156	270	29	41	41	10	BLDU
WJF	20071020	2256	300	10		39	10	BLDU
WJF	20071020	2356	10	8			10	BLDU
WJF	20071021	56	360	7			10	
WJF	20071021	156	20	7			10	
WJF	20071021	256	40	3			10	
WJF	20071021	356	30	6			10	
WJF	20071021	456	60	10			10	
WJF	20071021	556	90	8			10	
WJF	20071021	656	40	11			10	BLDU
WJF	20071021	756	80	13	18		10	
WJF	20071021	856	70	21	30	33	10	
WJF	20071021	956	60	26	34	36	10	
WJF	20071021	1056	50	28	34	36	10	
WJF	20071021	1156	60	24	31	39	10	BLDU
WJF	20071021	1256	70	26	38	38	9	BLDU
WJF	20071021	1356	40	25	33	37	10	BLDU
WJF	20071021	1456	50	25	34	36	10	
WJF	20071021	1556	70	22	31	37	10	
WJF	20071021	1656	70	18	26	31	10	
WJF	20071021	1756	70	11			10	
WJF	20071021	1856	80	13			10	
WJF	20071021	1956	80	13			10	
WJF	20071021	2056	50	7			10	
WJF	20071021	2156	M	M			10	
WJF	20071021	2256	30	11			10	
WJF	20071021	2356	20	9			10	
WJF	20071022	56	10	6			10	
WJF	20071022	156	40	10			10	
WJF	20071022	256	30	7			10	
WJF	20071022	356	40	9			10	

WJF	20071022	456	30	9			10	
WJF	20071022	556	0	0			10	
WJF	20071022	656	60	6			10	
WJF	20071022	756	60	9			10	
WJF	20071022	856	60	23	<b>32</b>	<b>32</b>	10	
WJF	20071022	956	60	<b>25</b>	<b>31</b>	<b>33</b>	10	
WJF	20071022	1056	60	20	<b>31</b>	<b>33</b>	10	
WJF	20071022	1156	60	24	<b>33</b>	<b>35</b>	10	
WJF	20071022	1256	70	<b>25</b>	<b>37</b>	<b>37</b>	10	
WJF	20071022	1356	70	21	<b>31</b>	<b>36</b>	10	
WJF	20071022	1456	70	22	<b>31</b>	<b>32</b>	10	
WJF	20071022	1556	80	18	<b>25</b>	<b>30</b>	10	
WJF	20071022	1656	70	13			10	
WJF	20071022	1756	70	10			10	
WJF	20071022	1856	20	9			10	
WJF	20071022	1956	360	3			10	
WJF	20071022	2056	10	8			10	
WJF	20071022	2156	20	8			10	
WJF	20071022	2256	360	9			10	
WJF	20071022	2356	0	0			10	

Long Beach Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
LGB	20071020	1153	200	8			10	
LGB	20071020	1253	VR	3			10	
LGB	20071020	1353	0	0			10	
LGB	20071020	1453	290	11			10	
LGB	20071020	1553	290	9			10	
LGB	20071020	1653	310	6			10	
LGB	20071020	1753	280	3			10	
LGB	20071020	1853	130	8			10	
LGB	20071020	1953	90	3			10	
LGB	20071020	2053	0	0			10	
LGB	20071020	2153	0	0			10	
LGB	20071020	2253	70	3			10	
LGB	20071020	2353	0	0			10	
LGB	20071021	53	0	0			10	
LGB	20071021	153	0	0			10	
LGB	20071021	253	0	0			10	
LGB	20071021	353	0	0			10	
LGB	20071021	453	0	0			9	
LGB	20071021	553	0	0			9	
LGB	20071021	653	350	3			9	
LGB	20071021	753	20	3			8	
LGB	20071021	853	310	3			10	
LGB	20071021	953	310	3			10	
LGB	20071021	1053	90	17	25		4	BLDU
LGB	20071021	1153	80	21	26	36	9	
LGB	20071021	1253	100	20	24		4	HZ
LGB	20071021	1353	110	9			5	BLDU
LGB	20071021	1453	70	8			8	BLDU
LGB	20071021	1527	340	8			9	
LGB	20071021	1553	0	0			9	
LGB	20071021	1653	80	8			7	
LGB	20071021	1753	90	14	21		5	HZ
LGB	20071021	1853	90	7			5	HZ
LGB	20071021	1953	0	0			6	HZ
LGB	20071021	2053	0	0			5	HZ
LGB	20071021	2153	40	3			6	HZ
LGB	20071021	2224	100	9			3	HZ
LGB	20071021	2232	80	7			3	HZ
LGB	20071021	2241	20	5			3	HZ

LGB	20071021	2253	10	3			<b>5</b>	<b>HZ</b>
LGB	20071021	2353	0	0			<b>7</b>	
LGB	20071022	53	0	0			<b>7</b>	
LGB	20071022	153	0	0			9	
LGB	20071022	253	0	0			9	
LGB	20071022	353	0	0			9	
LGB	20071022	453	350	3			9	
LGB	20071022	553	0	0			9	
LGB	20071022	653	0	0			<b>7</b>	
LGB	20071022	753	0	0			<b>7</b>	
LGB	20071022	853	350	6			9	
LGB	20071022	953	340	9			8	
LGB	20071022	1053	340	5			10	
LGB	20071022	1153	VR	3			10	
LGB	20071022	1253	70	3			9	
LGB	20071022	1353	120	18	<b>25</b>		<b>4</b>	<b>HZ</b>
LGB	20071022	1453	80	16	<b>28</b>	<b>30</b>	<b>5</b>	<b>HZ</b>
LGB	20071022	1553	100	13	20		<b>5</b>	<b>HZ</b>
LGB	20071022	1653	50	9	22		10	
LGB	20071022	1753	80	8			10	
LGB	20071022	1853	100	7	17		10	
LGB	20071022	1953	100	11			10	
LGB	20071022	2053	0	0			10	
LGB	20071022	2153	30	5			10	
LGB	20071022	2253	0	0			10	
LGB	20071022	2353	0	0			10	



Los Alamitos AAF								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
SLI	20071020	1155	180	8			10	
SLI	20071020	1255	190	10			10	
SLI	20071020	1355	170	10			10	
SLI	20071020	1445	120	6			10	
SLI	20071022	655	20	5			5	HZ
SLI	20071022	755	10	6			5	HZ
SLI	20071022	855	340	5			5	HZ
SLI	20071022	955	20	6			5	HZ
SLI	20071022	1055	300	6			5	HZ
SLI	20071022	1155	60	5			5	HZ
SLI	20071022	1255	80	17	33		4	FU
SLI	20071022	1355	80	22	28		4	FU
SLI	20071022	1445	70	23	38		4	FU

Downtown Los Angeles (USC)								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
CQT	20071020	1147	VR	3			10	
CQT	20071020	1247	0	0			10	
CQT	20071020	1347	VR	5			10	
CQT	20071020	1447	VR	3			10	
CQT	20071020	1547	VR	5			10	
CQT	20071020	1647	VR	6			10	
CQT	20071020	1747	330	8			10	
CQT	20071020	1847	0	0			10	
CQT	20071020	1947	270	5			10	
CQT	20071020	2047	340	10	16		10	
CQT	20071020	2147	60	8			10	
CQT	20071020	2247	140	3			10	
CQT	20071020	2347	100	3			10	
CQT	20071021	47	0	0			10	
CQT	20071021	147	0	0			10	
CQT	20071021	247	0	0			10	
CQT	20071021	347	0	0			10	
CQT	20071021	447	0	0			10	
CQT	20071021	547	0	0			10	
CQT	20071021	647	0	0			10	
CQT	20071021	747	0	0			10	
CQT	20071021	847	0	0			10	
CQT	20071021	947	0	0			10	
CQT	20071021	1047	0	0			10	
CQT	20071021	1147	VR	5			10	
CQT	20071021	1247	VR	3			10	
CQT	20071021	1347	VR	3			10	
CQT	20071021	1447	VR	3			10	
CQT	20071021	1547	VR	5			10	
CQT	20071021	1647	0	0			10	
CQT	20071021	1747	0	0			10	
CQT	20071021	1847	0	0			10	
CQT	20071021	1947	0	0			10	
CQT	20071021	2047	0	0			10	
CQT	20071021	2147	0	0			10	
CQT	20071021	2247	0	0			9	
CQT	20071021	2347	0	0			9	
CQT	20071022	47	0	0			9	
CQT	20071022	147	0	0			9	

CQT	20071022	247	0	0			8	
CQT	20071022	347	0	0			8	
CQT	20071022	447	0	0			8	
CQT	20071022	547	0	0			8	
CQT	20071022	647	0	0			6	HZ
CQT	20071022	747	0	0			6	HZ
CQT	20071022	847	0	0			7	
CQT	20071022	947	0	0			8	
CQT	20071022	1047	0	0			10	
CQT	20071022	1147	0	0			10	
CQT	20071022	1247	VR	3			10	
CQT	20071022	1347	0	0			10	
CQT	20071022	1447	VR	3			10	
CQT	20071022	1547	0	0			10	
CQT	20071022	1647	0	0			10	
CQT	20071022	1747	0	0			10	
CQT	20071022	1847	0	0			10	
CQT	20071022	1947	0	0			10	
CQT	20071022	2047	0	0			10	
CQT	20071022	2147	0	0			10	
CQT	20071022	2247	0	0			10	
CQT	20071022	2347	0	0			10	

Los Angeles International Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
LAX	20071020	1150	240	13			10	
LAX	20071020	1250	240	11			10	
LAX	20071020	1350	250	10			10	
LAX	20071020	1450	250	9			10	
LAX	20071020	1550	230	8			10	
LAX	20071020	1650	280	9			10	
LAX	20071020	1750	290	17	25		10	
LAX	20071020	1850	300	16	26	32	10	
LAX	20071020	1950	330	16	25		10	
LAX	20071020	2050	320	9		36	10	
LAX	20071020	2150	320	10			10	
LAX	20071020	2250	70	8			10	
LAX	20071020	2350	50	5			10	
LAX	20071021	50	70	5			10	
LAX	20071021	150	0	0			10	
LAX	20071021	250	120	3			10	
LAX	20071021	350	0	0			10	
LAX	20071021	450	80	5			10	
LAX	20071021	550	50	6			10	
LAX	20071021	650	0	0			10	
LAX	20071021	750	0	0			10	
LAX	20071021	850	0	0			10	
LAX	20071021	950	0	0			10	
LAX	20071021	1050	210	8			10	
LAX	20071021	1150	210	9			10	FU
LAX	20071021	1250	250	10			10	FU
LAX	20071021	1350	230	10			10	FU
LAX	20071021	1450	230	14			10	FU
LAX	20071021	1550	240	9			10	FU
LAX	20071021	1650	250	9			10	FU
LAX	20071021	1750	0	0			10	FU
LAX	20071021	1850	220	6			10	FU
LAX	20071021	1950	250	3			6	FU
LAX	20071021	2050	270	3			6	FU
LAX	20071021	2150	230	6			6	FU
LAX	20071021	2250	210	7			6	FU
LAX	20071021	2350	0	0			6	FU
LAX	20071022	50	0	0			6	FU
LAX	20071022	150	0	0			6	FU

LAX	20071022	250	0	0			6	HZ
LAX	20071022	350	0	0			7	
LAX	20071022	450	110	5			6	HZ
LAX	20071022	550	0	0			6	FU
LAX	20071022	650	260	5			9	
LAX	20071022	750	0	0			9	
LAX	20071022	850	250	7			9	
LAX	20071022	950	200	6			10	
LAX	20071022	1050	250	3			9	
LAX	20071022	1127	210	7			10	FU
LAX	20071022	1150	200	6			10	FU
LAX	20071022	1250	230	7			10	FU
LAX	20071022	1350	250	7	24		10	FU
LAX	20071022	1450	250	9			10	FU
LAX	20071022	1550	300	8			10	FU
LAX	20071022	1650	0	0			10	FU
LAX	20071022	1750	260	3			10	FU
LAX	20071022	1850	140	3			10	FU
LAX	20071022	1950	0	0			10	FU
LAX	20071022	2050	220	5			10	FU
LAX	20071022	2150	230	3			10	FU
LAX	20071022	2250	0	0			10	FU
LAX	20071022	2350	40	5			10	FU

Whiteman Airport, Pacoima								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
WHP	20071020	1147	290	21	29		25	
WHP	20071020	1247	300	21	31		25	
WHP	20071020	1347	290	24	31		25	
WHP	20071020	1447	300	17	29		25	
WHP	20071020	1547	300	11	23		25	
WHP	20071020	1647	310	14	29		25	
WHP	20071020	1747	360	8			25	
WHP	20071020	1847	300	21			25	
WHP	20071021	647	30	17	31		27	
WHP	20071021	747	40	18	37		25	
WHP	20071021	847	40	18	29		25	
WHP	20071021	1047	10	17	34		25	
WHP	20071021	1147	10	11	29		25	
WHP	20071021	1247	360	11	25		25	
WHP	20071021	1347	40	14	23		25	
WHP	20071021	1447	40	9	23		25	
WHP	20071021	1547	30	8	17		25	
WHP	20071021	1647	360	21	32		25	
WHP	20071021	1847	40	9			25	
WHP	20071022	747	280	5			25	
WHP	20071022	851	350	11	23		25	
WHP	20071022	947	350	14	29		25	
WHP	20071022	1047	360	17	34		25	
WHP	20071022	1149	20	17	34		25	
WHP	20071022	1447	360	17	34		25	
WHP	20071022	1647	360	17	34		25	
WHP	20071022	1750	10	11	23		0	
WHP	20071022	1847	40	11	23		25	

Ontario International Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
ONT	20071020	1153	VR	5			10	
ONT	20071020	1253	280	6			10	
ONT	20071020	1353	230	13			10	
ONT	20071020	1453	230	11			10	
ONT	20071020	1553	250	11			10	
ONT	20071020	1653	240	9			10	
ONT	20071020	1753	240	3			10	
ONT	20071020	1853	260	5			10	
ONT	20071020	1953	0	0			10	
ONT	20071020	2053	0	0			10	
ONT	20071020	2153	0	0			10	
ONT	20071020	2253	0	0			9	
ONT	20071020	2353	0	0			8	
ONT	20071021	53	330	5			10	
ONT	20071021	153	360	5			10	
ONT	20071021	253	0	0			10	
ONT	20071021	353	0	0			10	
ONT	20071021	453	40	5			10	
ONT	20071021	553	50	25	36	36	10	HZ
ONT	20071021	653	60	18	33	37	5	HZ
ONT	20071021	718	60	21	37	37	2.5	HZ
ONT	20071021	736	50	23	41	41	3	HZ
ONT	20071021	751	50	25	43	43	3	HZ
ONT	20071021	753	50	24	43	43	3	HZ BLDU
ONT	20071021	853	40	25	34	41	5	HZ BLDU
ONT	20071021	953	40	8	31	38	8	
ONT	20071021	1018	70	30	43	43	2.5	HZ BLDU
ONT	20071021	1043	VR	7	29	43	3	HZ
ONT	20071021	1053	40	21	37	43	4	HZ BLDU
ONT	20071021	1153	60	21	32	40	8	
ONT	20071021	1253	60	24	39	39	3	HZ BLDU
ONT	20071021	1353	60	26	38	43	8	
ONT	20071021	1453	50	26	38	46	6	HZ BLDU
ONT	20071021	1553	50	38	48	48	7	BLDU
ONT	20071021	1555	40	37	53	53	1.5	HZ BLDU
ONT	20071021	1557	50	28	53	53	7	BLDU
ONT	20071021	1653	70	28	41	53	7	BLDU
ONT	20071021	1751	70	41	63	63	7	
ONT	20071021	1753	60	33	63	63	3	HZ BLDU
ONT	20071021	1853	50	37	55	55	3	HZ BLDU
ONT	20071021	1953	60	37	59	62	3	HZ BLDU
ONT	20071021	2053	70	38	56	58	4	BLDU

ONT	20071021	2153	60	36	59	59	5	BLDU
ONT	20071021	2253	60	33	49	52	4	BLDU
ONT	20071021	2353	50	32	54	60	4	BLDU
ONT	20071022	53	60	36	51	55	6	BLDU
ONT	20071022	153	60	32	48	56	6	BLDU
ONT	20071022	253	60	29	46	60	6	BLDU
ONT	20071022	353	50	38	56	56	6	BLDU
ONT	20071022	453	50	40	58	60	6	BLDU
ONT	20071022	553	50	38	56	59	7	BLDU
ONT	20071022	653	40	37	49	61	9	FU BLDU
ONT	20071022	711	50	32	66	66	10	BLDU
ONT	20071022	753	40	33	53	66	10	FU
ONT	20071022	853	30	37	54	54	10	FU
ONT	20071022	953	50	29	56	56	10	FU
ONT	20071022	1053	60	22	44	48	10	FU BLDU
ONT	20071022	1153	70	24	38	45	10	FU BLDU
ONT	20071022	1253	50	28	40	44	10	FU BLDU
ONT	20071022	1353	40	23	36	41	10	FU
ONT	20071022	1453	60	22	31	40	10	FU
ONT	20071022	1553	60	17	30	40	10	FU
ONT	20071022	1653	50	17	30	36	10	FU
ONT	20071022	1753	60	25	37	37	10	FU
ONT	20071022	1853	70	18	31	36	10	FU
ONT	20071022	1953	70	18	30	33	10	FU
ONT	20071022	2053	60	20	31	32	10	FU
ONT	20071022	2153	60	25	34	35	10	
ONT	20071022	2253	60	18	32	35	10	FU
ONT	20071022	2353	50	16	33	33	10	FU



Palmdale Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
PMD	20071020	1153	290	37	45	46	8	
PMD	20071020	1253	300	34	39	46	10	
PMD	20071020	1353	290	34	43	45	10	
PMD	20071020	1453	290	26	36	44	10	
PMD	20071020	1553	290	29	33	40	10	
PMD	20071020	1653	290	22		36	10	
PMD	20071020	1753	280	26	34	35	10	
PMD	20071020	1853	280	16	30	36	10	
PMD	20071020	1953	290	21	29	31	10	
PMD	20071020	2053	280	22		38	10	
PMD	20071020	2153	300	18	24		10	
PMD	20071020	2253	360	3			10	
PMD	20071020	2353	140	7			10	
PMD	20071021	53	90	3			10	
PMD	20071021	153	90	7			10	
PMD	20071021	253	70	11			10	
PMD	20071021	353	90	10			10	
PMD	20071021	453	70	8			10	
PMD	20071021	553	100	13			10	
PMD	20071021	653	100	14			10	
PMD	20071021	753	90	20			10	
PMD	20071021	853	80	28	36	36	10	
PMD	20071021	953	90	29	34	38	10	
PMD	20071021	1053	70	29	39	39	10	
PMD	20071021	1153	80	30	41	41	10	
PMD	20071021	1253	80	33	39	43	9	
PMD	20071021	1353	60	28	38	40	9	
PMD	20071021	1453	70	29	37	38	10	
PMD	20071021	1553	80	26	33	38	10	
PMD	20071021	1653	80	20		35	10	
PMD	20071021	1753	80	17			10	
PMD	20071021	1853	100	13			10	
PMD	20071021	1953	100	10			10	
PMD	20071021	2053	110	16			10	
PMD	20071021	2153	110	16			10	
PMD	20071021	2253	90	14			10	
PMD	20071021	2353	90	14			10	
PMD	20071022	53	90	16			10	
PMD	20071022	153	90	11			10	

PMD	20071022	253	60	11			10	
PMD	20071022	353	60	15			10	
PMD	20071022	453	100	14			10	
PMD	20071022	553	80	15			10	
PMD	20071022	653	80	14			10	
PMD	20071022	753	90	23			10	
PMD	20071022	853	90	23	30	30	10	
PMD	20071022	953	70	<b>29</b>	<b>36</b>	<b>36</b>	10	
PMD	20071022	1053	70	<b>26</b>	<b>33</b>	<b>37</b>	10	
PMD	20071022	1153	80	24	36	<b>37</b>	10	
PMD	20071022	1253	70	<b>30</b>	<b>34</b>	<b>37</b>	10	
PMD	20071022	1353	80	<b>26</b>		<b>37</b>	10	
PMD	20071022	1453	80	23	<b>30</b>	<b>33</b>	10	
PMD	20071022	1553	100	22			10	
PMD	20071022	1653	90	18			10	
PMD	20071022	1753	90	15			10	
PMD	20071022	1853	100	15			10	
PMD	20071022	1953	110	10			10	
PMD	20071022	2053	120	9			10	
PMD	20071022	2153	100	10			10	
PMD	20071022	2253	30	10			10	
PMD	20071022	2353	10	6			10	

Riverside Municipal Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
RAL	20071020	1153	280	9			10	
RAL	20071020	1253	270	11			10	
RAL	20071020	1353	290	11	17		10	
RAL	20071020	1453	290	14			10	
RAL	20071020	1553	280	15	21		10	
RAL	20071020	1653	290	13			10	
RAL	20071020	1753	300	9			10	
RAL	20071020	1853	M	M			M	
RAL	20071020	1953	M	M			M	
RAL	20071020	2053	M	M			M	
RAL	20071020	2153	M	M			M	
RAL	20071020	2253	M	M			M	
RAL	20071020	2353	M	M			M	
RAL	20071021	53	M	M			M	
RAL	20071021	153	M	M			M	
RAL	20071021	253	M	M			M	
RAL	20071021	353	M	M			M	
RAL	20071021	453	M	M			M	
RAL	20071021	553	20	17	<b>34</b>		<b>7</b>	
RAL	20071021	653	20	17	<b>40</b>		<b>7</b>	
RAL	20071021	753	20	23	<b>40</b>		10	
RAL	20071021	853	30	<b>29</b>	<b>40</b>		10	<b>BD BN</b>
RAL	20071021	953	20	21	<b>34</b>		<b>7</b>	
RAL	20071021	1053	10	21	<b>32</b>		10	
RAL	20071021	1153	20	23	<b>32</b>		10	
RAL	20071021	1253	20	23	<b>34</b>		<b>7</b>	<b>BD BN</b>
RAL	20071021	1353	20	21	<b>34</b>		10	
RAL	20071021	1453	20	<b>26</b>	<b>32</b>		10	
RAL	20071021	1553	20	23	<b>32</b>		10	
RAL	20071021	1653	M	M			M	
RAL	20071021	1753	30	17	<b>29</b>		10	
RAL	20071021	1853	M	M			M	
RAL	20071021	1953	M	M			M	
RAL	20071021	2053	M	M			M	
RAL	20071021	2153	M	M			M	
RAL	20071021	2253	M	M			M	
RAL	20071021	2353	M	M			M	
RAL	20071022	53	M	M			M	
RAL	20071022	153	M	M			M	

RAL	20071022	253	M	M			M	
RAL	20071022	353	M	M			M	
RAL	20071022	453	M	M			M	
RAL	20071022	553	40	17	<b>25</b>		10	
RAL	20071022	653	30	21			10	
RAL	20071022	753	50	17			10	
RAL	20071022	853	50	17	23		10	
RAL	20071022	953	40	17	<b>29</b>		<b>5</b>	<b>HZ FU</b>
RAL	20071022	1053	50	21	<b>32</b>		<b>7</b>	<b>FU</b>
RAL	20071022	1153	VR	6			<b>5</b>	<b>HZ FU</b>
RAL	20071022	1253	40	16	23		<b>7</b>	
RAL	20071022	1353	360	14	23		10	
RAL	20071022	1453	30	14	21		<b>7</b>	
RAL	20071022	1553	20	14	21		9	<b>FU</b>
RAL	20071022	1653	60	14			10	
RAL	20071022	1753	40	7			10	
RAL	20071022	1853	M	M			M	
RAL	20071022	1953	M	M			M	
RAL	20071022	2053	M	M			M	
RAL	20071022	2153	M	M			M	
RAL	20071022	2253	M	M			M	
RAL	20071022	2353	M	M			M	

March ARB, Riverside								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
RIV	20071020	1155	300	9			10	
RIV	20071020	1255	320	8			10	
RIV	20071020	1355	310	11			10	
RIV	20071020	1455	320	14			10	
RIV	20071020	1555	290	15			10	
RIV	20071020	1655	320	9			10	
RIV	20071020	1755	0	0			10	
RIV	20071020	1855	150	7			10	
RIV	20071020	1955	0	0			10	
RIV	20071020	2055	0	0			10	
RIV	20071020	2155	200	5			10	
RIV	20071020	2255	310	13			10	
RIV	20071020	2355	140	7			10	
RIV	20071021	55	50	3			10	
RIV	20071021	155	310	9			10	
RIV	20071021	255	320	21			10	
RIV	20071021	355	310	18	24		10	
RIV	20071021	455	340	18			10	
RIV	20071021	555	40	13			10	
RIV	20071021	655	350	11			10	
RIV	20071021	755	60	8			10	
RIV	20071021	855	50	11			7	
RIV	20071021	955	70	14	26		4	BLDU
RIV	20071021	1055	60	18			4	BLDU
RIV	20071021	1155	70	17	23		4	BLDU
RIV	20071021	1255	60	20	26		7	
RIV	20071021	1355	80	18	24		4	BLDU
RIV	20071021	1455	70	16	24		6	BLDU
RIV	20071021	1555	50	15	22		7	
RIV	20071021	1655	30	11			10	
RIV	20071021	1755	60	14	23		6	BLDU
RIV	20071021	1855	40	10			7	
RIV	20071021	1955	60	17	23		5	BLDU
RIV	20071021	2055	60	20	29		5	BLDU
RIV	20071021	2155	40	15	21		6	BLDU
RIV	20071021	2250	40	11	22		7	
RIV	20071021	2255	30	8			9	
RIV	20071021	2355	50	17	36		4	BLDU
RIV	20071022	47	70	29	40		2.5	BLDU

RIV	20071022	52	50	<b>23</b>	<b>40</b>		<b>3</b>	<b>BLDU</b>
RIV	20071022	55	50	24	<b>40</b>		3	BLDU
RIV	20071022	155	70	16	<b>26</b>		10	
RIV	20071022	206	60	<b>25</b>	<b>30</b>		4	BLDU
RIV	20071022	216	60	17			4	BLDU
RIV	20071022	255	50	14	<b>25</b>		4	BLDU
RIV	20071022	355	80	<b>25</b>	<b>29</b>		4	BLDU
RIV	20071022	417	70	24	<b>38</b>		2.5	BLDU
RIV	20071022	421	70	<b>30</b>	<b>41</b>		2	BLDU
RIV	20071022	431	60	21	<b>36</b>		3	BLDU
RIV	20071022	455	60	20	<b>37</b>		3	BLDU
RIV	20071022	534	70	21	<b>30</b>		5	BLDU
RIV	20071022	548	80	22	<b>29</b>		3	BLDU
RIV	20071022	555	70	21	<b>36</b>		2.5	BLDU
RIV	20071022	606	70	20	<b>33</b>		2	BLDU
RIV	20071022	617	70	20	<b>30</b>		1.75	BLDU
RIV	20071022	643	30	11	<b>26</b>		2.5	HZ
RIV	20071022	650	30	13			3	HZ
RIV	20071022	655	50	9			2	BLDU
RIV	20071022	755	70	<b>26</b>	<b>36</b>		2.5	BLDU
RIV	20071022	855	60	22	<b>33</b>		3	BLDU
RIV	20071022	955	60	16	<b>26</b>		5	BLDU
RIV	20071022	1055	50	22	<b>26</b>		3	BLDU
RIV	20071022	1111	60	<b>25</b>	<b>34</b>		1	BLDU
RIV	20071022	1155	60	22	<b>31</b>		3	BLDU
RIV	20071022	1355	50	20	<b>30</b>		4	BLDU
RIV	20071022	1455	60	<b>29</b>	<b>40</b>		6	BLDU
RIV	20071022	1555	70	<b>31</b>	<b>41</b>		10	
RIV	20071022	1655	70	<b>28</b>	<b>34</b>		10	
RIV	20071022	1755	70	23	<b>28</b>		10	
RIV	20071022	1855	70	21	<b>30</b>		10	
RIV	20071022	1955	50	7	17		10	
RIV	20071022	2055	40	16	22		10	
RIV	20071022	2155	40	21	<b>28</b>		10	
RIV	20071022	2255	10	8			10	
RIV	20071022	2355	20	10			10	

San Clemente Island								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
NUC	20071020	1155	280	17			7	
NUC	20071020	1255	280	21			7	
NUC	20071020	1355	290	21			7	
NUC	20071020	1455	280	18			7	
NUC	20071020	1555	290	18			7	
NUC	20071020	1655	300	16			7	
NUC	20071020	1755	290	11			7	
NUC	20071020	1855	290	7			7	
NUC	20071021	655	50	9			7	
NUC	20071021	755	60	9			7	
NUC	20071021	855	80	9			7	
NUC	20071021	955	80	10			7	
NUC	20071021	1055	70	11			7	
NUC	20071021	1155	60	8			7	
NUC	20071021	1255	20	8			7	
NUC	20071021	1355	10	7			4	HZ
NUC	20071021	1455	330	5			6	HZ
NUC	20071021	1555	30	6			6	HZ
NUC	20071021	1655	40	3			7	
NUC	20071021	1755	50	8			7	
NUC	20071021	1855	70	10			7	
NUC	20071022	555	60	13			2	FU
NUC	20071022	655	70	10			2	FU
NUC	20071022	755	60	9			2	FU
NUC	20071022	855	50	14			2	FU
NUC	20071022	955	50	25			3	FU
NUC	20071022	1055	50	25			3	FU
NUC	20071022	1155	40	16			3	FU
NUC	20071022	1255	350	7			7	FU
NUC	20071022	1355	360	8			4	FU
NUC	20071022	1555	70	6			4	FU

San Nicolas Island								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
NSI	20071020	1156	300	36	47	52	10	
NSI	20071020	1230	300	34	48		7	
NSI	20071020	1256	300	37	48	52	10	
NSI	20071020	1356	300	34	46	49	10	
NSI	20071020	1456	310	36	47	47	10	
NSI	20071020	1556	310	34	44	47	10	
NSI	20071020	1656	310	30	44	46	10	
NSI	20071020	1756	310	30	37	44	10	
NSI	20071020	1856	310	28	38	46	10	
NSI	20071020	1956	300	25		39	10	
NSI	20071020	2056	300	25	31	37	10	
NSI	20071020	2156	310	30	38	39	10	
NSI	20071020	2256	320	25		37	10	
NSI	20071020	2356	320	20	28	31	10	
NSI	20071021	56	320	20			10	
NSI	20071021	156	320	21		32	10	
NSI	20071021	256	330	23		30	10	
NSI	20071021	356	340	18			10	
NSI	20071021	456	340	18			10	
NSI	20071021	556	340	16			10	
NSI	20071021	656	10	17			10	
NSI	20071021	756	10	13			10	
NSI	20071021	856	10	16			10	
NSI	20071021	956	10	10			7	
NSI	20071021	1056	20	14			10	
NSI	20071021	1156	20	16	22		10	
NSI	20071021	1256	10	11			10	
NSI	20071021	1356	20	14			10	
NSI	20071021	1456	20	11			10	
NSI	20071021	1556	20	10			10	
NSI	20071021	1656	50	16	21		10	
NSI	20071021	1739	10	9			4	FU
NSI	20071021	1756	360	7			10	
NSI	20071021	1856	340	10			10	
NSI	20071021	1956	340	8			10	
NSI	20071021	2056	VR	6			10	
NSI	20071021	2156	50	14	20		10	
NSI	20071021	2256	20	9			10	
NSI	20071021	2356	50	9			10	



NSI	20071022	56	50	15	23		10	
NSI	20071022	156	50	11			10	
NSI	20071022	256	70	20	<b>30</b>	<b>31</b>	10	
NSI	20071022	356	60	11			10	
NSI	20071022	456	50	18			10	
NSI	20071022	556	70	14			10	
NSI	20071022	656	50	11			10	
NSI	20071022	756	50	15	23		10	
NSI	20071022	856	50	14			10	
NSI	20071022	956	60	11			10	
NSI	20071022	1056	40	14			10	
NSI	20071022	1156	10	10			10	
NSI	20071022	1256	10	14			10	
NSI	20071022	1356	10	16			10	
NSI	20071022	1456	20	13			10	
NSI	20071022	1556	20	11			10	
NSI	20071022	1656	20	14			10	
NSI	20071022	1756	20	14			10	
NSI	20071022	1856	30	15	23		10	
NSI	20071022	1956	20	15			10	
NSI	20071022	2056	10	10			10	
NSI	20071022	2156	20	8			10	
NSI	20071022	2256	40	11			10	
NSI	20071022	2356	40	10			10	

Sandberg								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
SDB	20071020	1152	360	25	47	52	10	
SDB	20071020	1252	350	37	53	63	10	
SDB	20071020	1352	340	49	59	63	10	
SDB	20071020	1452	350	34	46	63	10	
SDB	20071020	1547	340	23	29	45	10	
SDB	20071020	1552	360	13	30	45	10	
SDB	20071020	1558	360	15	36	36	10	
SDB	20071020	1652	10	9	30	36	10	
SDB	20071020	1656	10	9	30		10	
SDB	20071020	1752	10	14	28		10	
SDB	20071020	1852	340	36	47	48	10	
SDB	20071020	1952	340	46	54	56	10	
SDB	20071020	2052	30	14	26	54	10	
SDB	20071020	2152	340	46	60	60	10	
SDB	20071020	2252	350	24	39	54	10	
SDB	20071020	2352	350	29	38	43	10	
SDB	20071021	52	360	17	34	37	10	
SDB	20071021	152	30	23	30	32	10	
SDB	20071021	252	40	20	28	30	10	
SDB	20071021	352	60	17	30	30	10	
SDB	20071021	452	70	28	45	45	10	
SDB	20071021	552	80	37	51	51	10	
SDB	20071021	652	70	32	49	52	10	
SDB	20071021	752	70	28	47	56	10	
SDB	20071021	852	70	33	61	61	10	
SDB	20071021	952	70	38	58	58	10	
SDB	20071021	1052	70	36	62	66	9	
SDB	20071021	1152	80	48	59	67	10	
SDB	20071021	1252	70	43	62	64	10	
SDB	20071021	1352	60	32	61	66	10	
SDB	20071021	1452	80	43	62	67	10	SQ
SDB	20071021	1552	70	30	53	61	10	
SDB	20071021	1652	70	33	51	54	10	
SDB	20071021	1752	70	37	53	55	10	
SDB	20071021	1852	80	37	49	52	10	
SDB	20071021	1952	80	43	55	55	10	
SDB	20071021	2052	60	23	41	53	10	
SDB	20071021	2152	60	22	41	41	10	
SDB	20071021	2252	70	22	36	41	10	
SDB	20071021	2352	60	22	31	37	10	

SDB	20071022	52	70	<b>29</b>	<b>43</b>	<b>43</b>	10	
SDB	20071022	152	70	<b>25</b>	<b>40</b>	<b>47</b>	10	
SDB	20071022	252	70	<b>25</b>	<b>41</b>	<b>48</b>	10	
SDB	20071022	352	60	22	<b>40</b>	<b>46</b>	10	
SDB	20071022	452	60	22	<b>34</b>	<b>45</b>	10	
SDB	20071022	552	50	23	<b>36</b>	<b>40</b>	10	
SDB	20071022	652	60	17	<b>29</b>	<b>36</b>	10	
SDB	20071022	752	70	22	<b>38</b>	<b>39</b>	10	
SDB	20071022	852	70	<b>32</b>	<b>46</b>	<b>46</b>	10	
SDB	20071022	952	70	<b>29</b>	<b>51</b>	<b>51</b>	10	
SDB	20071022	1052	80	<b>37</b>	<b>49</b>	<b>53</b>	10	
SDB	20071022	1152	80	<b>29</b>	<b>43</b>	<b>53</b>	10	
SDB	2007102 2	1252	80	<b>31</b>	<b>47</b>	<b>51</b>	10	
SDB	2007102 2	1352	80	<b>25</b>	<b>40</b>	<b>40</b>	10	
SDB	2007102 2	1452	80	24	<b>36</b>	<b>38</b>	10	
SDB	2007102 2	1552	80	22	<b>30</b>	<b>37</b>	10	
SDB	2007102 2	1652	70	20	<b>28</b>	<b>31</b>	10	
SDB	2007102 2	1752	70	21	<b>30</b>	<b>31</b>	10	
SDB	2007102 2	1852	60	14	<b>30</b>	<b>38</b>	10	
SDB	2007102 2	1952	60	21	<b>37</b>	<b>37</b>	10	
SDB	2007102 2	2052	60	23	<b>37</b>	<b>39</b>	10	
SDB	2007102 2	2152	70	<b>29</b>	<b>45</b>	<b>45</b>	10	
SDB	2007102 2	2252	70	<b>25</b>	<b>40</b>	<b>45</b>	10	
SDB	2007102 2	2352	70	23	<b>33</b>	<b>40</b>	10	

Santa Ana/John Wayne Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
SNA	20071020	1153	220	10			10	
SNA	20071020	1253	230	10			10	
SNA	20071020	1353	220	10			10	
SNA	20071020	1453	230	9			10	
SNA	20071020	1553	260	6			10	
SNA	20071020	1653	250	5			9	
SNA	20071020	1753	170	6			9	
SNA	20071020	1853	190	5			10	
SNA	20071020	1953	160	6			10	
SNA	20071020	2053	90	3			10	
SNA	20071020	2153	0	0			10	
SNA	20071020	2253	170	3			10	
SNA	20071020	2353	0	0			9	
SNA	20071021	53	0	0			9	
SNA	20071021	153	0	0			9	
SNA	20071021	253	0	0			9	
SNA	20071021	353	0	0			8	
SNA	20071021	453	0	0			8	
SNA	20071021	553	50	14	20		9	
SNA	20071021	653	60	13	21		9	
SNA	20071021	753	80	16	23		8	
SNA	20071021	853	60	20	<b>28</b>	<b>32</b>	9	
SNA	20071021	953	70	22	<b>33</b>	<b>35</b>	8	
SNA	20071021	1053	70	18	<b>28</b>	<b>35</b>	9	
SNA	20071021	1153	60	14	<b>25</b>		9	
SNA	20071021	1253	60	24	<b>30</b>	<b>30</b>	10	
SNA	20071021	1353	60	21	<b>32</b>	<b>32</b>	9	
SNA	20071021	1453	50	22	<b>34</b>	<b>35</b>	10	
SNA	20071021	1553	50	21	<b>39</b>	<b>39</b>	10	
SNA	20071021	1653	60	23	<b>36</b>	<b>36</b>	10	
SNA	20071021	1706	40	<b>26</b>	<b>41</b>	<b>41</b>	10	<b>FU</b>
SNA	20071021	1736	50	22	<b>33</b>	<b>41</b>	10	<b>FU</b>
SNA	20071021	1753	50	21	<b>32</b>	<b>41</b>	10	<b>FU</b>
SNA	20071021	1800	50	20	<b>31</b>	<b>30</b>	10	<b>FU</b>
SNA	20071021	1853	50	16	<b>26</b>	<b>36</b>	9	<b>FU</b>
SNA	20071021	1901	50	18	<b>24</b>		<b>3</b>	<b>FU</b>
SNA	20071021	1904	50	20	<b>28</b>		<b>2</b>	<b>FU</b>
SNA	20071021	1920	60	22	<b>36</b>	<b>36</b>	<b>2</b>	<b>FU</b>
SNA	20071021	1951	40	21	<b>38</b>	<b>38</b>	<b>2</b>	<b>FU</b>
SNA	20071021	1953	40	23	<b>38</b>	<b>38</b>	<b>2</b>	<b>FU</b>
SNA	20071021	2053	50	23	<b>38</b>	<b>38</b>	<b>2</b>	<b>FU</b>

SNA	20071021	2153	50	16	<b>30</b>	<b>41</b>	<b>2</b>	<b>FU</b>
SNA	20071021	2253	60	17	<b>28</b>	<b>30</b>	<b>3</b>	<b>FU</b>
SNA	20071021	2351	50	15	<b>28</b>	<b>36</b>	<b>4</b>	<b>FU</b>
SNA	20071021	2353	40	15	<b>28</b>	<b>36</b>	<b>4</b>	<b>FU</b>
SNA	20071022	53	50	18	24	<b>33</b>	8	
SNA	20071022	153	40	16	<b>28</b>	<b>36</b>	8	
SNA	20071022	253	50	17	<b>29</b>		8	
SNA	20071022	353	40	17	<b>29</b>	<b>36</b>	10	
SNA	20071022	453	40	20	<b>32</b>	<b>32</b>	10	
SNA	20071022	553	40	17	<b>31</b>	<b>33</b>	8	<b>FU</b>
SNA	20071022	653	50	17	<b>30</b>	<b>35</b>	10	<b>FU</b>
SNA	20071022	753	40	23	<b>33</b>	<b>38</b>	10	<b>FU</b>
SNA	20071022	853	50	24	<b>33</b>	<b>48</b>	10	<b>FU</b>
SNA	20071022	953	30	18	<b>36</b>	<b>38</b>	<b>7</b>	<b>FU</b>
SNA	20071022	1053	40	17	<b>25</b>	<b>36</b>	<b>4</b>	<b>FU</b>
SNA	20071022	1153	40	14	<b>25</b>	<b>30</b>	<b>5</b>	<b>FU</b>
SNA	20071022	1253	30	18	24	<b>30</b>	<b>4</b>	<b>FU</b>
SNA	20071022	1353	30	15	22		<b>5</b>	<b>HZ</b>
SNA	20071022	1453	50	14	<b>26</b>		<b>6</b>	<b>HZ</b>
SNA	20071022	1553	30	15			<b>6</b>	<b>HZ</b>
SNA	20071022	1653	30	10			<b>7</b>	
SNA	20071022	1753	40	10			9	
SNA	20071022	1853	360	3			9	
SNA	20071022	1953	30	21	<b>31</b>	<b>31</b>	8	
SNA	20071022	2053	30	14	24	<b>36</b>	10	
SNA	20071022	2153	40	9			10	
SNA	20071022	2253	40	9			10	
SNA	20071022	2353	20	8			8	

Santa Monica Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
SMO	20071020	1151	230	7			9	
SMO	20071020	1251	220	7			10	
SMO	20071020	1351	230	7			10	
SMO	20071020	1451	210	8			10	
SMO	20071020	1551	250	8			10	
SMO	20071020	1651	350	9	18		10	
SMO	20071020	1751	360	14	<b>38</b>	<b>38</b>	10	
SMO	20071020	1851	330	9	20		10	
SMO	20071020	1951	330	9	24	30	10	
SMO	20071020	2051	360	23	<b>40</b>	<b>40</b>	10	
SMO	20071020	2151	350	13	<b>28</b>	<b>40</b>	10	
SMO	20071020	2251	350	11	24	<b>30</b>	10	
SMO	20071020	2351	10	11	<b>29</b>		10	
SMO	20071021	51	VR	6			10	
SMO	20071021	151	0	0			10	
SMO	20071021	251	350	8	16		10	
SMO	20071021	351	100	5			10	
SMO	20071021	451	50	7			10	
SMO	20071021	551	80	5			10	
SMO	20071021	651	0	0			8	
SMO	20071021	751	10	3			10	
SMO	20071021	851	90	3			10	
SMO	20071021	951	210	7			10	
SMO	20071021	1051	210	8			10	
SMO	20071021	1151	210	9			10	
SMO	20071021	1251	210	9			10	
SMO	20071021	1351	210	13			10	
SMO	20071021	1451	210	8			10	
SMO	20071021	1551	0	0			10	
SMO	20071021	1651	0	0			10	
SMO	20071021	1751	20	5			10	
SMO	20071021	1851	190	3			10	
SMO	20071021	1951	240	5			10	
SMO	20071021	2051	190	3			8	
SMO	20071021	2151	10	3			8	
SMO	20071021	2251	220	3			8	
SMO	20071021	2351	280	3			8	
SMO	20071022	51	0	0			9	
SMO	20071022	151	60	3			8	
SMO	20071022	251	0	0			10	

SMO	20071022	351	290	3			10	
SMO	20071022	451	0	0			10	
SMO	20071022	551	280	5			10	
SMO	20071022	651	0	0			9	
SMO	20071022	751	0	0			7	
SMO	20071022	851	VR	3			7	
SMO	20071022	951	VR	3			10	
SMO	20071022	1051	210	5			10	
SMO	20071022	1151	190	8			10	
SMO	20071022	1251	210	9			10	
SMO	20071022	1351	220	6			10	
SMO	20071022	1451	0	0			10	
SMO	20071022	1551	250	3			10	
SMO	20071022	1651	300	3			10	
SMO	20071022	1751	0	0			10	
SMO	20071022	1851	340	3			10	
SMO	20071022	1951	310	5			10	
SMO	20071022	2051	240	5			10	
SMO	20071022	2151	0	0			10	
SMO	20071022	2251	30	3			10	
SMO	20071022	2351	110	6			10	

Torrance Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
TOA	20071020	1148	290	11			10	
TOA	20071020	1247	280	11			15	
TOA	20071020	1348	260	14			15	
TOA	20071020	1446	250	14			15	
TOA	20071020	1547	290	11			15	
TOA	20071020	1647	280	11			15	
TOA	20071020	1748	290	17			15	
TOA	20071020	1848	280	17			15	
TOA	20071021	547	0	0			7	
TOA	20071021	746	0	0			7	
TOA	20071021	847	0	0			10	
TOA	20071021	946	0	0			10	
TOA	20071021	1047	290	6			10	
TOA	20071021	1147	VR	7			4	BLDU
TOA	20071021	1230	80	11			7	BLDU
TOA	20071021	1248	30	11			7	
TOA	20071021	1308	290	11			7	
TOA	20071021	1448	270	11			7	
TOA	20071021	1547	280	8			15	
TOA	20071021	1648	300	6			25	
TOA	20071021	1748	VR	6			20	
TOA	20071021	1848	150	11			4	FU
TOA	20071022	549	0	0			7	
TOA	20071022	647	310	6			5	FU
TOA	20071022	750	0	0			5	FU
TOA	20071022	854	0	0			5	FU
TOA	20071022	947	0	0			7	
TOA	20071022	1048	290	10			7	
TOA	20071022	1150	300	9			10	
TOA	20071022	1348	290	9			15	
TOA	20071022	1456	290	8			10	
TOA	20071022	1546	310	7			10	
TOA	20071022	1650	310	8			10	
TOA	20071022	1748	VR	6			10	
TOA	20071022	1848	VR	6			10	



Van Nuys Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
VNY	20071020	1151	350	15			10	
VNY	20071020	1251	340	18	32	32	10	
VNY	20071020	1351	350	23	34	35	10	
VNY	20071020	1451	350	23	31	38	10	
VNY	20071020	1551	350	25	37	37	10	
VNY	20071020	1651	360	18	25	39	10	
VNY	20071020	1751	30	8	20	37	10	
VNY	20071020	1851	360	28	43	43	10	
VNY	20071020	1951	350	25	39	49	10	
VNY	20071020	2051	10	24	37	44	10	
VNY	20071020	2116	330	20	32	35	10	
VNY	20071020	2151	350	22	31	35	10	
VNY	20071020	2251	350	21	29	36	10	
VNY	20071020	2351	350	33	41	41	10	
VNY	20071021	51	360	29	38	41	10	
VNY	20071021	151	10	24	32	39	10	
VNY	20071021	251	10	24	33	37	10	
VNY	20071021	351	10	26	34	37	10	
VNY	20071021	451	10	25	37	37	10	
VNY	20071021	551	20	22	33	40	10	
VNY	20071021	651	10	21	31	36	10	
VNY	20071021	751	20	28	38	39	10	
VNY	20071021	851	20	25	34	44	10	
VNY	20071021	951	20	24	32	36	10	
VNY	20071021	1051	10	28	36	39	10	
VNY	20071021	1151	10	26	37	38	10	
VNY	20071021	1251	20	24	31	38	10	
VNY	20071021	1351	20	22	28	35	10	FU
VNY	20071021	1451	20	24	32	32	10	FU
VNY	20071021	1551	20	18	28	33	10	FU
VNY	20071021	1651	10	13	26	39	10	FU
VNY	20071021	1751	20	16	38	38	10	FU
VNY	20071021	1851	30	22	32	32	10	
VNY	20071021	1951	30	23	34	36	10	
VNY	20071021	2051	40	14	26	37	10	
VNY	20071021	2151	30	15	24	30	10	FU
VNY	20071021	2251	20	18	29	31	10	FU
VNY	20071021	2351	20	18		31	10	FU
VNY	20071022	51	30	14			10	FU
VNY	20071022	151	20	16	21		10	

VNY	20071022	251	20	22	<b>30</b>	<b>30</b>	10	
VNY	20071022	351	30	21	<b>26</b>	<b>35</b>	10	<b>FU</b>
VNY	20071022	451	20	22	<b>29</b>	<b>32</b>	10	<b>FU</b>
VNY	20071022	551	20	22	<b>29</b>	<b>31</b>	10	<b>FU</b>
VNY	20071022	651	20	16	24	<b>36</b>	10	
VNY	20071022	751	10	15	24		10	
VNY	20071022	851	20	24	<b>31</b>	<b>32</b>	10	
VNY	20071022	951	20	20	<b>34</b>	<b>35</b>	10	
VNY	20071022	1051	20	<b>25</b>	<b>36</b>	<b>38</b>	10	
VNY	20071022	1151	30	23	<b>40</b>	<b>40</b>	10	
VNY	20071022	1251	30	21	<b>36</b>	<b>44</b>	10	
VNY	20071022	1351	20	<b>28</b>	<b>39</b>	<b>40</b>	10	
VNY	20071022	1451	20	20	<b>38</b>	<b>38</b>	10	<b>FU</b>
VNY	20071022	1551	20	21	<b>30</b>	<b>38</b>	10	<b>FU</b>
VNY	20071022	1651	30	24	<b>34</b>	<b>40</b>	10	<b>FU</b>
VNY	20071022	1751	10	23	<b>37</b>	<b>41</b>	10	<b>FU</b>
VNY	20071022	1851	20	18	<b>29</b>	<b>37</b>	10	
VNY	20071022	1951	360	14	<b>26</b>	<b>30</b>	10	
VNY	20071022	2051	360	18	<b>29</b>		10	
VNY	20071022	2151	10	22	<b>30</b>	<b>30</b>	10	
VNY	20071022	2251	10	18	<b>30</b>	<b>33</b>	10	
VNY	20071022	2351	20	21	<b>28</b>	<b>32</b>	10	

Victorville Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
VCV	20071021	1146	40	23	29		10	
VCV	20071021	1247	30	11			10	
VCV	20071021	1447	40	15	28		10	
VCV	20071021	1550	50	17	28		10	
VCV	20071021	1657	40	14	20		10	
VCV	20071021	1756	30	11			10	
VCV	20071021	1848	30	13			10	
VCV	20071021	1949	30	8			10	
VCV	20071022	745	50	9			10	
VCV	20071022	947	30	16	30		10	
VCV	20071022	1053	30	14	28		10	
VCV	20071022	1345	50	18	26		10	
VCV	20071022	1549	50	16	23		10	
VCV	20071022	1755	0	0			10	

Palm Springs Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
PSP	20071020	1153	VR	7			10	
PSP	20071020	1253	170	5			10	
PSP	20071020	1353	0	0			10	
PSP	20071020	1453	330	16			10	
PSP	20071020	1553	330	13			10	
PSP	20071020	1653	330	11			10	
PSP	20071020	1753	340	15			10	
PSP	20071020	1853	310	10	20		10	
PSP	20071020	1953	310	20	24		10	
PSP	20071020	2053	320	<b>29</b>	<b>39</b>	<b>39</b>	10	
PSP	20071020	2153	310	23	<b>31</b>	<b>39</b>	10	
PSP	20071020	2253	360	10	18	<b>30</b>	10	
PSP	20071020	2353	340	17		<b>37</b>	10	
PSP	20071021	53	350	11	24		10	
PSP	20071021	153	320	13	17		10	
PSP	20071021	253	330	10			10	
PSP	20071021	353	VR	6			10	
PSP	20071021	453	330	8			10	
PSP	20071021	553	320	14			10	
PSP	20071021	653	330	11		<b>33</b>	10	
PSP	20071021	753	340	18	<b>26</b>		10	
PSP	20071021	853	350	23	<b>29</b>		10	
PSP	20071021	953	310	18	<b>26</b>		10	
PSP	20071021	1053	330	9			10	
PSP	20071021	1153	330	13	<b>26</b>		10	
PSP	20071021	1253	340	11	20	<b>30</b>	10	
PSP	20071021	1353	330	11			10	
PSP	20071021	1453	360	20	<b>25</b>		10	
PSP	20071021	1553	350	17			10	
PSP	20071021	1653	10	15			10	
PSP	20071021	1753	320	11			10	
PSP	20071021	1853	280	6			10	
PSP	20071021	1953	300	6	17		10	
PSP	20071021	2053	330	8			10	
PSP	20071021	2153	310	8			10	
PSP	20071021	2253	330	9			10	
PSP	20071021	2353	340	7			10	
PSP	20071022	53	350	7			10	
PSP	20071022	153	350	6			10	
PSP	20071022	253	330	13			10	

PSP	20071022	353	340	10			10	
PSP	20071022	453	340	9			10	
PSP	20071022	553	VR	5			10	
PSP	20071022	653	290	6			10	
PSP	20071022	753	250	3			10	
PSP	20071022	853	0	0			10	
PSP	20071022	953	330	7			10	
PSP	20071022	1053	310	6			10	
PSP	20071022	1153	VR	7			10	
PSP	20071022	1253	300	9	17		10	
PSP	20071022	1353	VR	3			10	
PSP	20071022	1453	270	3			10	
PSP	20071022	1553	300	6			10	
PSP	20071022	1653	360	8			10	
PSP	20071022	1753	350	10			10	
PSP	20071022	1853	340	11			10	
PSP	20071022	1953	0	0			10	
PSP	20071022	2053	290	6			10	
PSP	20071022	2153	320	6			10	
PSP	20071022	2253	260	6			10	
PSP	20071022	2353	280	8			10	

Thermal Airport								
STN	Date	Time (PST)	WD	W S	Gust	PK WS (mph)	Visibility	Weather
TRM	20071020	1152	140	9			10	
TRM	20071020	1252	VR	5			10	
TRM	20071020	1352	VR	5			10	
TRM	20071020	1452	0	0			10	
TRM	20071020	1552	310	13			10	
TRM	20071020	1652	340	17	25		10	
TRM	20071020	1752	330	15	24		10	
TRM	20071020	1852	340	18	26		10	
TRM	20071020	1952	330	22	28	31	10	
TRM	20071020	2052	320	17	28	36	4	HZ
TRM	20071020	2152	330	11	24	33	10	
TRM	20071020	2252	290	18	22	31	10	
TRM	20071020	2352	290	20	25		10	
TRM	20071021	52	300	18	24		10	
TRM	20071021	152	320	15	24		10	
TRM	20071021	252	310	11			10	
TRM	20071021	352	350	8			10	
TRM	20071021	452	340	11	17		10	
TRM	20071021	552	320	21	30	30	9	
TRM	20071021	652	310	9			10	
TRM	20071021	752	300	14	21		10	
TRM	20071021	852	300	11			10	
TRM	20071021	952	320	15	21		10	
TRM	20071021	1052	310	15	24		10	
TRM	20071021	1152	350	16	22		10	
TRM	20071021	1203	340	15			10	
TRM	20071021	1252	340	15	26		10	
TRM	20071021	1352	310	16	26		10	
TRM	20071021	1406	350	16	23		10	
TRM	20071021	1452	360	15	23		10	
TRM	20071021	1552	320	13	23		10	
TRM	20071021	1652	330	10			10	
TRM	20071021	1752	310	8			10	
TRM	20071021	1852	320	9			10	
TRM	20071021	1952	330	9			10	
TRM	20071021	2052	310	7			10	
TRM	20071021	2152	340	8			10	
TRM	20071021	2252	310	6			10	
TRM	20071021	2352	340	7			10	
TRM	20071022	52	10	8			10	

TRM	20071022	152	20	3			10	
TRM	20071022	252	330	8			10	
TRM	20071022	352	310	7			10	
TRM	20071022	452	300	9			10	
TRM	20071022	552	300	13			10	
TRM	20071022	652	270	8			10	
TRM	20071022	752	310	10			10	
TRM	20071022	852	290	13			10	
TRM	20071022	952	300	10	18		10	
TRM	20071022	1052	280	11			10	
TRM	20071022	1152	260	9			10	
TRM	20071022	1252	260	7			10	
TRM	20071022	1352	290	11			10	
TRM	20071022	1452	270	6			10	
TRM	20071022	1552	270	8			10	
TRM	20071022	1652	270	6			10	
TRM	20071022	1752	360	5			10	
TRM	20071022	1852	320	6			10	
TRM	20071022	1952	330	5			10	
TRM	20071022	2052	10	5			10	
TRM	20071022	2152	350	6			10	
TRM	20071022	2252	0	0			10	
TRM	20071022	2352	360	7			10	

<b>Twentynine Palms MCAS</b>								
<b>STN</b>	<b>Date</b>	<b>Time (PST)</b>	<b>WD</b>	<b>W S</b>	<b>Gust</b>	<b>PK WS (mph)</b>	<b>Visibility</b>	<b>Weather</b>
NXP	20071020	1155	310	18	24		7	
NXP	20071020	1255	300	24	29		6	BLDU
NXP	20071020	1355	300	23	34		6	BLDU
NXP	20071020	1455	300	34	43		5	BLDU
NXP	20071020	1555	270	24	41		4	BLDU
NXP	20071020	1655	340	20	24		5	BLDU
NXP	20071020	1755	310	13	23		6	BLDU
NXP	20071020	1855	310	30	38		4	BLDU
NXP	20071020	1955	320	16	28		5	BLDU
NXP	20071020	2055	300	31	37		5	BLDU
NXP	20071020	2155	300	28	34		5	BLDU
NXP	20071020	2255	310	21	30		4	
NXP	20071020	2355	300	15			5	
NXP	20071021	55	300	16			6	BLDU
NXP	20071021	155	320	21	30		5	BLDU
NXP	20071021	255	310	16			6	BLDU
NXP	20071021	355	310	15			7	
NXP	20071021	455	330	16			7	
NXP	20071021	555	320	14			7	
NXP	20071021	655	320	13			7	
NXP	20071021	755	330	9	18		7	
NXP	20071021	855	350				7	
NXP	20071021	955	330	10	21		7	
NXP	20071021	1055	330	14	21		7	
NXP	20071021	1155	350	15	22		7	
NXP	20071021	1255	350	17	24		7	
NXP	20071021	1355	10	15	22		7	
NXP	20071021	1455	350	14	21		7	
NXP	20071021	1555	360	16	24		7	
NXP	20071021	1655	350	21			M	
NXP	20071021	1755	330	9			7	
NXP	20071021	1855	320	8			7	
NXP	20071021	1955	340	11			7	
NXP	20071021	2055	250	7			7	
NXP	20071021	2155	340	9			7	
NXP	20071021	2255	330	5			7	
NXP	20071021	2355	360	7			7	
NXP	20071022	155	300	9			7	
NXP	20071022	255	290	9			7	
NXP	20071022	355	290	7			7	



NXP	20071022	455	310	9			7	
NXP	20071022	555	320	8			7	
NXP	20071022	655	350	7			7	
NXP	20071022	755	340	7			M	
NXP	20071022	855	350	9			7	
NXP	20071022	955	VR	6			7	
NXP	20071022	1055	350	7	18		7	
NXP	20071022	1355	350	11			7	
NXP	20071022	1455	350	14			7	
NXP	20071022	1555	10	11			7	
NXP	20071022	1655	10	10			7	
NXP	20071022	1755	330	7			7	
NXP	20071022	1855	280	10			7	
NXP	20071022	1955	270	7			7	
NXP	20071022	2055	270	11			7	
NXP	20071022	2155	270	13			7	
NXP	20071022	2255	260	11			7	
NXP	20071022	2355	270	11			7	

## A.2 National Weather Service Weather Forecast Discussions

### NWS Los Angeles/Oxnard Forecast Office

FXUS66 KLOX 202033  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
130 PM PDT SAT OCT 20 2007

.SHORT TERM (TODAY-TUE)...NO MAJOR CHANGES TO EARLIER THINKING. GOOD NORTHWEST WIND EVENT GOING ON NOW AND EXPECTED TO CONTINUE THROUGH THIS EVENING. THEN, AS HIGH PRESSURE BUILDS OVER UTAH AND NEVADA TONIGHT AND SUN WINDS WILL SHIFT TO THE NORTHEAST, FAVORING THE EASTERN PORTION OF VENTURA AND WESTERN PORTION OF LA COUNTIES. THROUGH THAT CORRIDOR WINDS COULD GUST AS HIGH AS 60-80 MPH AND WARNINGS CERTAINLY LOOK VALID. THE USUAL CAVEATS EXIST WITH THESE WARNINGS AS PROBABLY 70 PERCENT OR MORE OF ZONE 41 WILL BE WELL BELOW WARNING LEVELS, AND MOST OF THE SAN GABRIEL VALLEY AS WELL, HOWEVER OTHER AREAS IN THOSE ZONES WILL BE EXPERIENCING POTENTIALLY DANGEROUS WINDS. THE ONLY CHANGE MADE TO THE HIGH WIND WARNING WAS TO EXTEND IT ANOTHER 24 HOURS INTO TUESDAY AS IT APPEARS THAT THE STRONG OFFSHORE GRADIENT WILL CONTINUE. THE PEAK OF THE EVENT WILL BE SUNDAY INTO MONDAY, HOWEVER I THINK WE WILL STILL HAVE AT LEAST ADVISORY LEVEL WINDS AND QUITE POSSIBLY WARNING LEVEL INTO TUESDAY MORNING.

PRETTY SAFE TO SAY THAT TEMPS AT LOWER ELEVATIONS WILL BE APPROACHING RECORD LEVELS FOR THE FIRST HALF OF THE WEEK. HOWEVER, THE RECORDS ARE AROUND 100 AND THAT MIGHT BE TOUGH TO BEAT, AT LEAST SUN AND MON. TUES IS PROBABLY THE BEST CHANCE AT BREAKING RECORDS AS NOT ONLY WILL THE TEMPS BE WARMER BUT THE RECORDS ARE A FEW DEGREES LOWER IN GENERAL. AS IS TYPICAL WITH A STRONG SANTA ANA EVENT WITH GOOD THERMAL PACKING, THE COASTAL AREAS WILL BE THE WARMEST FOR THE FIRST DAY OR TWO BEFORE INLAND AREAS START TAKING OVER.

.LONG TERM (WED-SAT)...LINGERING OFFSHORE FLOW AND A STRONG RIDGE OF HIGH PRESSURE WILL MAINTAIN WELL ABOVE NORMAL TEMPS AT LEAST THROUGH THU. HOWEVER BY THAT TIME WINDS SHOULD GENERALLY BE BELOW ADVISORY LEVELS, AND BY THU AFTERNOON STRONG ONSHORE TRENDS IN THE PRESSURE GRADIENTS WILL BRING SIGNIFICANT COOLING TO THE COAST AND COASTAL VALLEYS.

BEYOND THU THE MODELS ARE IN TOO MUCH DISAGREEMENT TO REALLY SPEAK WITH ANY CONFIDENCE. THE GFS HAS BEEN SHOWING YET ANOTHER CUTOFF LOW DROPPING SOUTH ALONG THE COAST FRI INTO SAT. HOWEVER THE ECMWF IS WAY OFFSHORE WITH THIS LOW AND ACTUALLY MAINTAINS A FAIRLY WARM AIR MASS OVER SO CAL. THE ENSEMBLES ARE ALL OVER THE PLACE AS WELL SO FOR NOW HAVE INDICATED A COOLING TREND BUT NOTHING MORE.

&&

.AVIATION...AT 1730Z...OR 1030 PDT...VIRTUALLY CERTAIN CLEAR SKIES OVER KLAX AND KBUR WILL PERSIST. STRONG SANTA ANA WINDS WILL DEVELOP WHILE HIGH PRES BUILDS OVER THE GREAT BASIN OVERNIGHT. MORE LIKELY THAN NOT STRONG WIND SHEAR WILL EXIST OVER AND LEE VICINITY OF THE TRANSVERSE RANGE BEGINNING THIS EVENING AND PERSISTING THROUGH SUN MORNING. N OR NE WINDS WILL DEVELOP AND LIKELY REMAIN LESS THAN 10KT

WHILE NE FLOW AROUND 30KT MAY DEVELOP AT 1KFT OVER KLAX AROUND  
SUNRISE SUN.

&&

.LOX WATCHES/WARNINGS/ADVISORIES...

HIGH WIND WARNING (SEE LAXNPWLOX).

RED FLAG WARNING (SEE LAXRFWLOX).

WIND ADVISORY (SEE LAXNPWLOX).

GALE WARNING (SEE LAXCWFLOX).

SMALL CRAFT ADVISORY (SEE LAXCWFLOX).

HIGH SURF ADVISORY (SEE LAXCFWLOX).

HIGH RIP CURRENT RISK (SEE LAXSRFLOX).

MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

&&

\$\$

PUBLIC...WOFFORD

AVIATION...FORWOOD

WWW.WEATHER.GOV/LOSANGELES

FXUS66 KLOX 210459  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
1000 PM PDT SAT OCT 20 2007

.SHORT TERM (TONIGHT-TUE)...VERY STRONG WINDS DEVELOPED OVER THE SBA S COAST AND MOUNTAINS THIS EVENING...WITH MONTECITO HILLS GUSTING TO 73 MPH EARLIER THIS EVENING. THE STRONG WINDS HAD CAUSED ASH AND DUST FROM THE ZACA FIRE BURN AREA TO DESCEND INTO THE S COAST WITH VISIBILITIES REDUCED TO 2 1/2 MILES EARLIER AT SANTA BARBARA AIRPORT. VERY GUSTY WINDS WERE ALSO AFFECTING THE ANTELOPE VALLEY...WITH LANCASTER GUSTING TO 53 MPH AT 8 PM. A HIGH WIND WARNING IS IN EFFECT FOR THESE AREAS THRU 3 AM SUNDAY.

GUSTY NW TO N WINDS WILL CONTINUE OVER THE MOUNTAINS AND SOME VALLEYS OF VTU/L.A. COUNTIES OVERNIGHT. WINDS ARE EXPECTED TO INCREASE TO DAMAGING LEVELS THROUGH AND BELOW PASSES AND CANYONS AFTER 3 AM SUN AND CONTINUE FOR MUCH OF THE DAY SUN. HIGH WIND WARNINGS ARE ALSO IN EFFECT FOR MUCH OF VTU/L.A. COUNTIES. THE WINDS WILL DIMINISH SOME DURING THE AFTERNOON AND EVENING HOURS THEN INCREASE AGAIN OVERNIGHT AND INTO THE MORNING THRU TUE. AS A RESULT...THE HIGH WIND WARNINGS ARE IN EFFECT THRU 3 PM TUE...WITH WIND GUSTS AS HIGH AS 60 MPH FOR THE VALLEYS AND 70 MPH FOR THE MOUNTAINS NOT OUT OF THE QUESTION IN THE MOST WINDY LOCATIONS BELOW PASSES AND CANYONS. PLEASE SEE LAXNPWLOX FOR DETAILS ON THE HIGH WIND WARNINGS.

A LARGE UPPER HIGH WILL BUILD OFF THE CA COAST ON SUN THEN INTO THE STATE MON AND TUE. SUPPORT FOR THE STRONG WINDS WILL COME FROM A STRONG OFFSHORE GRADIENT AND COLD AIR ADVECTION AT LOWER LEVELS. THE COLD AIR ADVECTION SHOULD DIMINISH BY MON BUT OFFSHORE GRADIENTS ARE FORECAST TO BE STRONGLY OFFSHORE INTO TUE MORNING. NEEDLESS TO SAY SKIES WILL BE MOSTLY CLEAR ACROSS THE DISTRICT THRU TUE. TEMPS ARE GOING TO WARM UP THRU THE PERIOD AS WELL...WITH HIGHS REACHING INTO THE 90S FOR THE WARMEST VALLEYS AND EVEN COASTAL AREAS BY MON...AND PERHAPS TO THE CENTURY MARK IN THE WARMEST VALLEYS FOR TUE. SOME RECORD HIGHS MAY BE BROKEN ON TUE AS WELL.

THE WIND COMBINED WITH VERY DRY AIR MOVING IN HAS RESULTED IN THE ISSUANCE OF A RED FLAG WARNING FOR MUCH OF VTU AND L.A. COUNTIES THRU TUE...AND A FIRE WX WATCH FOR SUN AFTERNOON THRU TUE FOR THE MTNS AND INTERIOR VALLEYS OF SLO/SBA COUNTIES. PLEASE SEE LAXRFWLOX FOR DETAILS ON THE RED FLAG WARNING AND FIRE WEATHER WATCH.

...FROM PREVIOUS DISCUSSION...

.LONG TERM (WED-SAT)...LINGERING OFFSHORE FLOW AND A STRONG RIDGE OF HIGH PRESSURE WILL MAINTAIN WELL ABOVE NORMAL TEMPS AT LEAST THROUGH THU. HOWEVER BY THAT TIME WINDS SHOULD GENERALLY BE BELOW ADVISORY LEVELS, AND BY THU AFTERNOON STRONG ONSHORE TRENDS IN THE PRESSURE GRADIENTS WILL BRING SIGNIFICANT COOLING TO THE COAST AND COASTAL VALLEYS.

BEYOND THU THE MODELS ARE IN TOO MUCH DISAGREEMENT TO REALLY SPEAK WITH ANY CONFIDENCE. THE GFS HAS BEEN SHOWING YET ANOTHER CUTOFF LOW DROPPING SOUTH ALONG THE COAST FRI INTO SAT. HOWEVER THE ECMWF IS WAY OFFSHORE WITH THIS LOW AND ACTUALLY MAINTAINS A FAIRLY WARM AIR MASS OVER SO CAL. THE ENSEMBLES ARE ALL OVER THE PLACE AS WELL SO FOR NOW HAVE INDICATED A COOLING TREND BUT NOTHING MORE.

&&

.AVIATION...21/0445Z...VFR CONDITIONS ARE EXPECTED OVER THE REGION THRU SUN. GUSTY WINDS WILL PERSIST FOR A WHILE OVERNIGHT FOR KLAX. VERY GUSTY WINDS WILL BE POSSIBLE AT TIMES OVERNIGHT AND SUN FOR KOXR AND KVNK...WITH LOCAL LLWS CONDITIONS NOT OUT OF THE QUESTION.

FOR KLAX...CLEAR SKIES EXPECTED THRU SUN. GUSTY NORTH WINDS THIS EVENING SHOULD DIMINISH LATER TONIGHT...THEN INCREASE AGAIN SUN MORNING BEFORE DIMINISHING AND TURNING ONSHORE IN THE AFTERNOON.

FOR KBUR...CLEAR SKIES THROUGH SUN. GUSTY N WINDS SHOULD DEVELOP LATER TONIGHT AND PERSIST INTO SUN AFTERNOON. GOOD CHANCE OF LOW LEVEL WIND SHEAR BEGINNING TONIGHT AND LASTING TO ABOUT 17Z SUN.  
&&

.LOX WATCHES/WARNINGS/ADVISORIES...  
HIGH WIND WARNING (SEE LAXNPWLOX).  
RED FLAG WARNING (SEE LAXRFLWLOX).  
GALE WARNING (SEE LAXCWFLOX).  
SMALL CRAFT ADVISORY (SEE LAXCWFLOX).  
HIGH SURF ADVISORY (SEE LAXCFWLOX).  
HIGH RIP CURRENT RISK (SEE LAXSRFLOX).  
MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

&&

\$\$

PUBLIC...SIRARD/WOFFORD

AVIATION...SIRARD

WWW.WEATHER.GOV/LOSANGELES

FXUS66 KLOX 211021  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
320 AM PDT SUN OCT 21 2007

.SHORT TERM...

WIND EVENT LIVING UP TO EXPECTATIONS AND THEN SOME. WHITAKER PEAK THE BIG WINNER WITH A GUST TO 108 MPH. WINDS NOW TRANSITIONING TO THE NORTHEAST AND FULLY EXPECT A MAJOR SANTA ANA EVENT TO START AROUND DAWN. AT 12Z THE DAG GRADIENT WAS PLUS 1 AND NOW AT 9Z IS MINUS 6. THE GRADS TO BFL AND SFO ARE A STUNNING -9.5 AND -11.4. THESE GRADS ARE DRIVING THE WINDS THROUGH SOUTHERN SBA COUNTY WHERE THE WIND WARNING HAS BEEN EXTENDED TIL 10 AM. WRF IS ABOUT 3 TO 6 HOURS TOO FAST WITH THE NE TRANSITION BUT FIGURE WINDS WILL BE ROARING BY 15Z BASED ON THE TRENDS OF THE GRADIENTS.

UPPER AIR SUPPORT IS BEST TODAY BUT WRF STILL ADVERTISING VERY STRONG WINDS AND A DAG GRAD BETWEEN -9 AND -10 MB TUESDAY MORNING AND THIS SHOULD SUPPORT THE WIND WARNINGS NICELY.

THE CENTRAL COAST WILL HAVE SOME GUSTY WINDS THIS MORNING AS THE OFFSHORE FLOW SETS UP. BUT AS THE HIGH MOVES MORE SOUTH AND EAST THE FOCUS OF THE WINDS SHOULD SHIFT TO THE L.A BASIN AREA.

BY WEDNESDAY THE UPPER SUPPORT COLLAPSES AND WHILE GRADS ARE STILL OFFSHORE THEY ARE MUCH WEAKER AND THE WINDS SHOULD BE MARKEDLY LESS.

THE WINDS WILL KICK UP SOME DUST IN THE ANTELOPE VALLEY THIS AFTERNOON AND MONDAY AFTERNOON. A LITTLE ASH WILL ALSO FLY OFF OF THE ZACA FILE.

TEMPS WILL BE WARM AND WILL FOLLOW THE TYPICAL PATTERN OF WARMING WITH THE COASTS THE WARMEST TODAY AND THEN MORE VALLEY WARMING MONDAY. TUESDAY WILL THE WARMEST WITH A BIG HONKING 597DM HIGH OVERHEAD AND WEAK OFFSHORE FLOW. DAILY RECORDS ARE LOWER THAN MONDAYS VALUES AND THIS WILL BE THE BEST DAY FOR RECORDS. AS THE EVENT WINDS DOWN WEDNESDAY WILL COOL ESP ALONG THE COAST...BUT WITH A 591DM HIGH OVERHEAD TEMPS WILL STILL BE ABOVE NORMAL AND IN FACT DESERTS AND MOUNTAINS WILL BE CLOSE TO TUESDAYS VALUES.

.LONG TERM...

EC AND GFS IN GOOD AGREEMENT THRU FRIDAY AND THEN DISAGREE ON STRENGTH AND POSITION OF CUT OFF LOW. JUST A LITTLE MORE COOLING THURSDAY AS THE RIDGE SLOWLY BEGINS ITS MOVE OUT. THE UPPER LOW APPROACHES THE AREA FRIDAY AND SHOULD DECREASE THE HGTS AND INCREASE THE ONSHORE FLOW NOT ENOUGH FOR A MARINE LAYER BUT ENOUGH TO KNOCK TEMPS DOWN NORMALS.

GIVEN THE MODEL UNCERTAINTIES JUST KEPT A COOLING TREND GOING FOR THE NEXT WEEKEND. THERE IS A CHANCE THAT THE UPPER LOW WILL BE FAR ENOUGH AWAY FROM THE COAST TO CAUSE AN OFFSHORE FLOW AND WARM THINGS UP. HOPEFULLY THE MDLS WILL CONVERGE ON A SOLUTION TODAY.

&&

.AVIATION...

21/1015Z  
WILL BE ISSUED WITH THE 12Z TAFS.

&&

.LOX WATCHES/WARNINGS/ADVISORIES...  
HIGH WIND WARNING (SEE LAXNPWLOX).  
RED FLAG WARNING (SEE LAXRFWLOX).  
FIRE WEATHER WATCH (SEE LAXRFWLOX).  
WIND ADVISORY (SEE LAXNPWLOX).  
GALE WARNING (SEE LAXCWFLOX).  
SMALL CRAFT ADVISORY (SEE LAXCWFLOX).  
HIGH SURF ADVISORY (SEE LAXCFWLOX).  
HIGH RIP CURRENT RISK (SEE LAXSRFLOX).  
MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

&&

\$\$

PUBLIC...ASR

AVIATION...JM

WWW.WEATHER.GOV/LOSANGELES

FXUS66 KLOX 211209  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
500 AM PDT SUN OCT 21 2007

.SHORT TERM...

WIND EVENT LIVING UP TO EXPECTATIONS AND THEN SOME. WHITAKER PEAK THE BIG WINNER WITH A GUST TO 108 MPH. WINDS NOW TRANSITIONING TO THE NORTHEAST AND FULLY EXPECT A MAJOR SANTA ANA EVENT TO START AROUND DAWN. AT 12Z THE DAG GRADIENT WAS PLUS 1 AND NOW AT 9Z IS MINUS 6. THE GRADS TO BFL AND SFO ARE A STUNNING -9.5 AND -11.4. THESE GRADS ARE DRIVING THE WINDS THROUGH SOUTHERN SBA COUNTY WHERE THE WIND WARNING HAS BEEN EXTENDED TIL 10 AM. WRF IS ABOUT 3 TO 6 HOURS TOO FAST WITH THE NE TRANSITION BUT FIGURE WINDS WILL BE ROARING BY 15Z BASED ON THE TRENDS OF THE GRADIENTS.

UPPER AIR SUPPORT IS BEST TODAY BUT WRF STILL ADVERTISING VERY STRONG WINDS AND A DAG GRAD BETWEEN -9 AND -10 MB TUESDAY MORNING AND THIS SHOULD SUPPORT THE WIND WARNINGS NICELY.

THE CENTRAL COAST WILL HAVE SOME GUSTY WINDS THIS MORNING AS THE OFFSHORE FLOW SETS UP. BUT AS THE HIGH MOVES MORE SOUTH AND EAST THE FOCUS OF THE WINDS SHOULD SHIFT TO THE L.A BASIN AREA.

BY WEDNESDAY THE UPPER SUPPORT COLLAPSES AND WHILE GRADS ARE STILL OFFSHORE THEY ARE MUCH WEAKER AND THE WINDS SHOULD BE MARKEDLY LESS.

THE WINDS WILL KICK UP SOME DUST IN THE ANTELOPE VALLEY THIS AFTERNOON AND MONDAY AFTERNOON. A LITTLE ASH WILL ALSO FLY OFF OF THE ZACA FILE.

TEMPS WILL BE WARM AND WILL FOLLOW THE TYPICAL PATTERN OF WARMING WITH THE COASTS THE WARMEST TODAY AND THEN MORE VALLEY WARMING MONDAY. TUESDAY WILL THE WARMEST WITH A BIG HONKING 597DM HIGH OVERHEAD AND WEAK OFFSHORE FLOW. DAILY RECORDS ARE LOWER THAN MONDAYS VALUES AND THIS WILL BE THE BEST DAY FOR RECORDS. AS THE EVENT WINDS DOWN WEDNESDAY WILL COOL ESP ALONG THE COAST...BUT WITH A 591DM HIGH OVERHEAD TEMPS WILL STILL BE ABOVE NORMAL AND IN FACT DESERTS AND MOUNTAINS WILL BE CLOSE TO TUESDAYS VALUES.

.LONG TERM...

EC AND GFS IN GOOD AGREEMENT THRU FRIDAY AND THEN DISAGREE ON STRENGTH AND POSITION OF CUT OFF LOW. JUST A LITTLE MORE COOLING THURSDAY AS THE RIDGE SLOWLY BEGINS ITS MOVE OUT. THE UPPER LOW APPROACHES THE AREA FRIDAY AND SHOULD DECREASE THE HGTS AND INCREASE THE ONSHORE FLOW NOT ENOUGH FOR A MARINE LAYER BUT ENOUGH TO KNOCK TEMPS DOWN NORMALS.

GIVEN THE MODEL UNCERTAINTIES JUST KEPT A COOLING TREND GOING FOR THE NEXT WEEKEND. THERE IS A CHANCE THAT THE UPPER LOW WILL BE FAR ENOUGH AWAY FROM THE COAST TO CAUSE AN OFFSHORE FLOW AND WARM THINGS UP. HOPEFULLY THE MDLS WILL CONVERGE ON A SOLUTION TODAY.

&&

.AVIATION...

21/1210Z

CLEAR SKIES TODAY AND WINDY. ALL TAFS WILL SEE NORTHEASTERLY WINDS THIS MORNING AND EARLY AFTERNOON. MDT-STG UDDFS AND LLWS WILL AFFECT MOST SITES BUT ESPECIALLY THOSE NEAR HIGHER TRRN.



.KLAX...NEAR 100% CHANCE OF CLEAR SKIES. EAST WINDS 6 TO 8 KT IN THE MORNING WITH A 40% CHANCE OF EAST WINDS EXCEEDING 10 KT. SEABREEZE WILL BE DELAYED TIL MID AFTERNOON AND MAY NOT OCCUR AT ALL.

.KBUR...NEAR 100% CHANCE OF CLEAR SKIES. GUSTY NORTH TO NORTHEAST WINDS AFTER SUNRISE. FREQUENT STG UDDFS AND LLWS ON TAKE OFF AND LANDING.

&&

.LOX WATCHES/WARNINGS/ADVISORIES...

HIGH WIND WARNING (SEE LAXNPWLOX).

RED FLAG WARNING (SEE LAXRFWLOX).

FIRE WEATHER WATCH (SEE LAXRFWLOX).

WIND ADVISORY (SEE LAXNPWLOX).

GALE WARNING (SEE LAXCWFLOX).

SMALL CRAFT ADVISORY (SEE LAXCWFLOX).

HIGH SURF ADVISORY (SEE LAXCFWLOX).

HIGH RIP CURRENT RISK (SEE LAXSRFLOX).

MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

&&

\$\$

PUBLIC...ASR

AVIATION...JM

WWW.WEATHER.GOV/LOSANGELES

FXUS66 KLOX 211801  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION...UPDATED AVN  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
1100 AM PDT SUN OCT 21 2007

UPDATED AVIATION SECTION

.SHORT TERM...

WIND EVENT LIVING UP TO EXPECTATIONS AND THEN SOME. WHITAKER PEAK THE BIG WINNER WITH A GUST TO 108 MPH. WINDS NOW TRANSITIONING TO THE NORTHEAST AND FULLY EXPECT A MAJOR SANTA ANA EVENT TO START AROUND DAWN. AT 12Z THE DAG GRADIENT WAS PLUS 1 AND NOW AT 9Z IS MINUS 6. THE GRADS TO BFL AND SFO ARE A STUNNING -9.5 AND -11.4. THESE GRADS ARE DRIVING THE WINDS THROUGH SOUTHERN SBA COUNTY WHERE THE WIND WARNING HAS BEEN EXTENDED TIL 10 AM. WRF IS ABOUT 3 TO 6 HOURS TOO FAST WITH THE NE TRANSITION BUT FIGURE WINDS WILL BE ROARING BY 15Z BASED ON THE TRENDS OF THE GRADIENTS.

UPPER AIR SUPPORT IS BEST TODAY BUT WRF STILL ADVERTISING VERY STRONG WINDS AND A DAG GRAD BETWEEN -9 AND -10 MB TUESDAY MORNING AND THIS SHOULD SUPPORT THE WIND WARNINGS NICELY.

THE CENTRAL COAST WILL HAVE SOME GUSTY WINDS THIS MORNING AS THE OFFSHORE FLOW SETS UP. BUT AS THE HIGH MOVES MORE SOUTH AND EAST THE FOCUS OF THE WINDS SHOULD SHIFT TO THE L.A BASIN AREA.

BY WEDNESDAY THE UPPER SUPPORT COLLAPSES AND WHILE GRADS ARE STILL OFFSHORE THEY ARE MUCH WEAKER AND THE WINDS SHOULD BE MARKEDLY LESS.

THE WINDS WILL KICK UP SOME DUST IN THE ANTELOPE VALLEY THIS AFTERNOON AND MONDAY AFTERNOON. A LITTLE ASH WILL ALSO FLY OFF OF THE ZACA FILE.

TEMPS WILL BE WARM AND WILL FOLLOW THE TYPICAL PATTERN OF WARMING WITH THE COASTS THE WARMEST TODAY AND THEN MORE VALLEY WARMING MONDAY. TUESDAY WILL BE THE WARMEST WITH A BIG HONKING 597DM HIGH OVERHEAD AND WEAK OFFSHORE FLOW. DAILY RECORDS ARE LOWER THAN MONDAYS VALUES AND THIS WILL BE THE BEST DAY FOR RECORDS. AS THE EVENT WINDS DOWN WEDNESDAY WILL COOL ESP ALONG THE COAST...BUT WITH A 591DM HIGH OVERHEAD TEMPS WILL STILL BE ABOVE NORMAL AND IN FACT DESERTS AND MOUNTAINS WILL BE CLOSE TO TUESDAYS VALUES.

.LONG TERM...

EC AND GFS IN GOOD AGREEMENT THRU FRIDAY AND THEN DISAGREE ON STRENGTH AND POSITION OF CUT OFF LOW. JUST A LITTLE MORE COOLING THURSDAY AS THE RIDGE SLOWLY BEGINS ITS MOVE OUT. THE UPPER LOW APPROACHES THE AREA FRIDAY AND SHOULD DECREASE THE HGTS AND INCREASE THE ONSHORE FLOW NOT ENOUGH FOR A MARINE LAYER BUT ENOUGH TO KNOCK TEMPS DOWN NORMALS.

GIVEN THE MODEL UNCERTAINTIES JUST KEPT A COOLING TREND GOING FOR THE NEXT WEEKEND. THERE IS A CHANCE THAT THE UPPER LOW WILL BE FAR ENOUGH AWAY FROM THE COAST TO CAUSE AN OFFSHORE FLOW AND WARM THINGS UP. HOPEFULLY THE MDLS WILL CONVERGE ON A SOLUTION TODAY.

&&

.AVIATION...AT 1800Z...OR 1100 PDT...VIRTUALLY CERTAIN CLEAR SKIES OVER KLAX AND KBUR WILL PERSIST. STRONG SANTA ANA WINDS WILL PERSIST WHILE HIGH PRES CONTINUES TO BUILD OVER THE GREAT BASIN. MORE LIKELY THAN NOT STRONG WIND SHEAR WILL EXIST OVER AND LEE VICINITY OF THE

TRANSVERSE RANGE THROUGH MON. N OR NE SURFACE WINDS WILL DEVELOP AND  
LIKELY REMAIN LESS THAN 10KT WHILE NE FLOW AROUND 30KT MAY REDEVELOP  
AT 1-2KFT OVER KLAX AROUND SUNRISE MON.  
&&

.LOX WATCHES/WARNINGS/ADVISORIES...  
HIGH WIND WARNING (SEE LAXNPWLOX).  
RED FLAG WARNING (SEE LAXRFWLOX).  
WIND ADVISORY (SEE LAXNPWLOX).  
GALE WARNING (SEE LAXCWFLOX).  
SMALL CRAFT ADVISORY (SEE LAXCWFLOX).  
HIGH SURF ADVISORY (SEE LAXCFWLOX).  
HIGH RIP CURRENT RISK (SEE LAXSRFLOX).  
MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

&&

\$\$

PUBLIC...ASR

AVIATION...FORWOOD

WWW.WEATHER.GOV/LOSANGELES

FXUS66 KLOX 212029  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
130 PM PDT SUN OCT 21 2007

.SHORT TERM (TODAY-WED)...STRONG SANTA ANA WIND EVENT IN PROGRESS AND EXPECTED TO CONTINUE THROUGH TUESDAY AT LEAST. EVERYTHING PRETTY MUCH GOING ALONG AS EXPECTED AND VERY FEW CHANGES WERE MADE TO THE AFTERNOON FORECAST. THE ONLY CONCERN IS THE TEMPERATURE FORECAST NEXT COUPLE DAYS. MODELS CAME IN THIS MORNING COOLER THAN PREVIOUS RUNS AT 950 MB WITH TEMPS IN THE HIGH TEENS. HISTORICAL DATA SUGGESTS THAT FOR HIGHS TO REACH THE MID 90S 950 MB TEMPS REALLY NEED TO BE IN THE LOW TO MID 20S. HOWEVER, OFFSHORE GRADIENTS ARE OVER 10 MB AND THAT BY ITSELF COULD PUSH UP TEMPS ANOTHER FEW DEGREES. CURRENT FORECAST IS RUNNING SEVERAL DEGREES ABOVE MOS GUIDANCE IN A LOT OF LOWER ELEVATION LOCATIONS AND FOR NOW I'M GOING TO LEAVE IT AS IS. HOWEVER, WOULD NOT BE SURPRISED IF HIGHS DON'T QUITE REACH THOSE LEVELS. IN ANY CASE, IT WILL WINDY WITH HIGHS WELL ABOVE NORMAL.

GRADIENTS REMAIN PRETTY STRONGLY OFFSHORE EVEN INTO WED, BUT THERMAL SUPPORT WILL BE VIRTUALLY GONE BY THEN SO WINDS SHOULD BE WEAKER AND MORE LOCALIZED. CURRENT HIGH WIND WARNINGS ARE VALID THROUGH TUESDAY AND THIS LOOKS GOOD. RED FLAG WARNINGS MAY NEED TO BE EXTENDED ANOTHER DAY OR EVEN TWO AS HUMIDITIES WILL REMAIN EXTREMELY LOW AND WINDS WILL BE GUSTY AT TIMES.

.LONG TERM (THU-SUN)...MODELS STILL ADVERTISING THE DEVELOPMENT OF A TROF ALONG THE COAST LATER IN THE WEEK. ECMWF HAS COME INTO BETTER AGREEMENT WITH THE GFS INDICATING THE UPPER LOW CLOSER TO THE COAST, THOUGH ENSEMBLES ARE STILL ALL OVER THE MAP AND CONFIDENCE REMAINS LOW. VERY LITTLE MOISTURE ASSOCIATED WITH IT SO PRECIP CHANCES ARE MINIMAL, BUT AFTERNOON HIGHS WILL BE DROPPING BACK TO NEAR NORMAL LEVELS.

&&

.AVIATION...AT 1730Z...OR 1030 PDT...VIRTUALLY CERTAIN CLEAR SKIES OVER KLAX AND KBUR WILL PERSIST. STRONG SANTA ANA WINDS WILL PERSIST WHILE HIGH PRES CONTINUES TO BUILD OVER THE GREAT BASIN. MORE LIKELY THAN NOT STRONG WIND SHEAR WILL EXIST OVER AND LEE VICINITY OF THE TRANSVERSE RANGE THROUGH MON. N OR NE WINDS WILL DEVELOP AND LIKELY REMAIN LESS THAN 10KT WHILE NE FLOW AROUND 30KT MAY REDEVELOP AT 1-2KFT OVER KLAX AROUND SUNRISE MON.

&&

.LOX WATCHES/WARNINGS/ADVISORIES...  
HIGH WIND WARNING (SEE LAXNPWLOX).  
RED FLAG WARNING (SEE LAXRFWLOX).  
WIND ADVISORY (SEE LAXNPWLOX).  
GALE WARNING (SEE LAXCWFLOX).  
SMALL CRAFT ADVISORY (SEE LAXCWFLOX).  
HIGH SURF ADVISORY (SEE LAXCWFLOX).  
HIGH RIP CURRENT RISK (SEE LAXSRFLOX).  
MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

\$\$

PUBLIC...WOFFORD  
AVIATION...FORWOOD

WWW.WEATHER.GOV/LOSANGELES

FXUS66 KLOX 220350  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
830 PM PDT SUN OCT 21 2007

.SHORT TERM (TODAY-WED)...

NO SURPRISES THIS EVENING. 00Z WRF IS IN AND IT FOLLOWS ALONG WITH CURRENT THINKING. WINDS AGAIN WILL STRENGTHEN OVERNIGHT AND PEAK AROUND DAWN WITH 850MB UPPER SUPPORT 65 KT OVER AQUA DULCE AND 50 KT OVER THE REST OF L.A. AND VENTURA COUNTY. THIS COMBINED WITH A 9 TO 10 MB OFFSHORE PUSH WILL EASILY GENERATE WIND GUSTS FROM 80 TO 90 MPH WITH SUSTAINED WINDS 40 TO 50 MPH. THE STRONGEST WINDS WILL LAST THROUGH NOON AND THEN SUBSIDE A LITTLE DURING THE AFTERNOON.

TUESDAY MORNING THINGS INTENSIFY AGAIN BUT NOT AS STRONG AS MONDAY MORNING STILL UPPER AIR SUPPORT PEAKS AT 50 KT WITH A BROAD AREA OF 40 KTS. THIS WILL STILL RESULT IN GUSTS TO NEAR 60 MPH AND THE END TIME FOR THE WARNINGS OF 300 PM TUESDAY LOOKS GOOD.

WEAKER STILL WEDNESDAY MORNING BUT STILL LOOKS LIKE 15 TO 25 MPH IN THE MORNING OVER THE NORTHEAST AND EAST CANYON LOCATIONS.

TEMPS WILL WARM FOR THE MOST PART MONDAY AND THEN AGAIN A FEW MORE DEGREES ON TUESDAY. THE LARGE SMOKE PLUMES WILL LOCALLY RESTRICT SUNLIGHT IN AREAS DOWNSTREAM FROM THE FIRES WHICH MAY ACTUALLY REDUCE TEMPS. NOT MUCH COOLING FORECAST FOR WEDNESDAY BUT THERE WILL BE SOME ESP AT THE COAST WHERE THERE WILL BE A LITTLE BETTER SEABREEZE.

.LONG TERM... (THU-SUN)

OLD EC AND GFS HAPPY THROUGH FRIDAY INDICATING A SLOW RETURN TO ONSHORE FLOW WITH COOLER TEMPS EACH DAY. DOES NOT LOOK LIKE A RETURN TO A MARINE LAYER SO SKIES WILL BE CLEAR. NOT MUCH OF ANY WINDS.

OLD EC AND GFS CONTINUE TO DISAGREE ON THE WEEKEND THE GFS IS WET WHILE THE EC IS DRY. HOPEFULLY THE 00Z RUNS WILL CONVERGE ON A SOLUTION.

&&

.AVIATION...

22/0400Z

SMOKE PLUMES WILL CREATE CIGS FROM 025 TO 035 THROUGH THE PERIOD OVER AREAS OF SOUTHERN CALIFORNIA THE K LAYERS WILL BE MOSTLY LIKE OVER VENTURA COUNTY AND THE TEJON PASS NORTH OF KVNY. VERY STRONG WINDS WILL CREATE AREAS OF SEVERE TURBULENCE AROUND THE MOUNTAINS ALL THE WAY TO FL120. TAF SITES IN PROXIMITY TO HIER TRRN WILL HAVE MDT-STG WIND SHEAR AND TURBULENCE ON LAND AND CLIMB.

.KLAX...HIGH CONFIDENCE IN CLEAR SKIES. AN EQUAL CHANCE OF 15 TO 20 KT NORTH XWIND OR A 8 TO 10 KT EAST WIND OVERNIGHT AS THE WINDS WILL BE VERY VARIABLE. QUITE A BIT OF TURBULENCE POSSIBLE IN APPROACH ROUTES AND FORMATION ZONES.

.KBUR...HIGH CONFIDENCE IN BOTH CLEAR SKIES AND MDT TO STG LLWS AND TURBULENCE FOR NEXT 24 HOURS.

&&

.LOX WATCHES/WARNINGS/ADVISORIES...

HIGH WIND WARNING (SEE LAXNPWLOX).  
RED FLAG WARNING (SEE LAXRFWLOX).  
WIND ADVISORY (SEE LAXNPWLOX).  
GALE WARNING (SEE LAXCWFLOX).  
SMALL CRAFT ADVISORY (SEE LAXCWFLOX).  
HIGH SURF ADVISORY (SEE LAXCFWLOX).  
HIGH RIP CURRENT RISK (SEE LAXSRFLOX).  
MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

&&

\$\$

ASR

[WWW.WEATHER.GOV/LOSANGELES](http://WWW.WEATHER.GOV/LOSANGELES)

FXUS66 KLOX 221016  
AFDLOX

SOUTHWEST CALIFORNIA AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
315 AM PDT MON OCT 22 2007

.SHORT TERM...

DAG GRADIENT IS -9.4 AND SHOULD REACH -10 BY 12Z. WRF FORECASTING 65 KT WINDS OVER THE L.A. MTNS FROM 12Z TO 15Z. THIS MORNING WILL LIKELY BE AS WINDY AS YDY MORNING. IN FACT TODAY WILL BE VERY SIMILAR TO SUNDAY EXCEPT THAT IT WILL BE ABOUT 5 DEGREES WARMER MOST PLACES. THE ONLY PROBLEM WITH TEMP FORECASTING WILL BE THE SMOKE PLUMES WHICH WILL LIMIT SUN IN PLACES AND REDUCE TEMPERATURES. WIND WARNINGS LOOK GREAT WITH MANY MOUNTAIN SPEED READINGS IN THE 70S AND LOWER 80S. NORTHEAST WINDS WILL AFFECT ALL OF L.A. AND VENTURA COUNTY TODAY ALTHOUGH THE FAR WESTERN PORTION OF VENTURA COUNTY WILL RECEIVE THE LIGHTEST WINDS OF THE DAY. NORTHEAST WINDS WILL REACH AVALON AGAIN AND A MWS FOR THE ASSOCIATED HAZARDS IS OUT. NO RELIEF AT ALL FOR THE FIRE CREWS WITH LITTLE HUMIDITY RECOVERIES OVERNIGHT AND SINGLE DIGIT RH VALUES AND WARNING LEVEL WINDS DURING THE DAY.

TONIGHT WILL START THE SLOW DOWN OF THE WINDS AS BOTH THE UPPER SUPPORT AND THE SURFACE GRADIENTS WILL BE LESS THAN THEY ARE NOW. STILL WITH THE MORNING DIURNAL PRESSURE MAX AND 45 TO 50 KT OF UPPER SUPPORT WIND WARNING GUSTS WILL STILL OCCUR FREQUENTLY ACROSS VTA AND LA COUNTY...THERE JUST WONT BE 80 MPH GUSTS.

TUESDAY WILL BE THE WARMEST DAY AND MANY HIGH TEMPERATURE RECORDS ARE IN DANGER. AGAIN SMOKE PLUMES WILL RESTRICT TEMPERATURES IN A FEW LOCATIONS....BUT THE 596 HGTS OVERHEAD WILL MAKE IT A VERY WARM DAY.

A PAC NW TROF NUDGES THE UPPER HIGH SOUTHEASTWARD WEDNESDAY AND THIS WILL DECREASE THE UPPER SUPPORT AND SURFACE GRADS ENOUGH TO REALLY KNOCK THE WINDS DOWN. LOOK FOR SOME 15 TO 25 KN OFFSHORE MORNING WINDS BUT THAT ABOUT IT. THERE WILL BE QUITE A BIT OF COASTAL COOLING AS THE SEA BREEZE RETURNS BUT INLAND TEMPS WILL NOT COOL TOO MUCH.

.LONG TERM...

EC AND GFS AGREE THAT THU AND FRI WILL SEE THE UPPER HIGH MOVE OFF THE THE EAST AND THAT A PAC TROF WILL MOVE INTO EASTERN PAC. THIS WILL COOL ALL AREAS WITH ONSHORE FLOW AND A DROP IN HGTS TO 570 DM.

THE WEEKEND FORECAST IS STILL A REAL MYSTERY. GFS AND EC STILL DISAGREE WITH GFS BEING VERY AGGRESSIVE WITH A CUT OFF LOW MOVING OVER CA WITH SOME RAIN...EC MOVES A TROF OVER NORTHERN CA WITH NO RAIN AT ALL OVER SO CAL. UNTIL RECENTLY IT HAS BEEN EASY TO DISMISS THE SEEMINGLY OVERAGGRESSIVE GFS BUT IT HAS SCORED A FEW HITS OVER THE LESS UPPER LOW PRONE EC. WITH NO DIRECTION ON HOW TO TURN DID NOT TOUCH THE WEEKEND IN ANY MEANINGFUL WAY BUT IT WOULD BE NICE TO SEE A LITTLE MDL CONVERGENCE TODAY.

&&

.AVIATION...

22/1015Z

K LYRS WILL AFFECT MANY PORTIONS OF VENTURA AND LOS ANGELES COUNTIES. WITH BASES FROM 025 TO 035 AND TOPS NEAR 060. WIND GUSTS TO 65 KT IN THE MOUNTAINS WILL SPILL OUT INTO THE VLYS AND CREATE MODERATE TO STRONG LLWS AND TURBULENCE. TURBULENCE OVER THE MTNS MAY EXTEND TO FL120.

.KLAX...GOOD CONFIDENCE IN CIG FREE HAZY SKIES. SFC VIS MAY BE REDUCED TO 4SM IN FU OR HZ. EAST WINDS IN THE MORNING WILL LIKELY STAY BELOW 8 KT AND A WEAK SEABREEZE WILL RETURN IN THE AFTERNOON.

.KBUR...FU LYRS COULD CAUSE CIGS FROM 025 TO 035 AGL. FU/HZ VIS RESTRICTIONS POSSIBLE THROUGH THE DAY. MAJOR IMPACT FROM WINDS WITH LIKELY MDT-SVR LLWS AND TURBULENCE.

&&

.LOX WATCHES/WARNINGS/ADVISORIES...

HIGH WIND WARNING (SEE LAXNPWLOX).

RED FLAG WARNING (SEE LAXRFWLOX).

GALE WARNING (SEE LAXCWFLOX).

SMALL CRAFT ADVISORY (SEE LAXCWFLOX).

HIGH RIP CURRENT RISK (SEE LAXSRFLOX).

MARINE WEATHER STATEMENT (SEE LAXMWSLOX).

&&

\$\$

RORKE



**NWS San Diego Forecast Office**

FXUS66 KSGX 210510  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
950 PM PDT SAT OCT 20 2007

.SYNOPSIS...

STRONG SANTA ANA WINDS WILL DEVELOP LATE TONIGHT AND CONTINUE THROUGH MONDAY AS SURFACE HIGH PRESSURE PREVAILS ACROSS THE GREAT BASIN. OFFSHORE WINDS WILL DECREASE LATE MONDAY...BUT CONTINUE GUSTY AT TIMES MONDAY NIGHT THROUGH WEDNESDAY. DRY AND MUCH WARMER AIR WILL OCCUR THROUGH MID WEEK...ESPECIALLY WEST OF THE MOUNTAINS. FAIR AND COOLER LATER NEXT WEEK AS HIGH PRESSURE ALOFT WEAKENS.  
&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TONIGHT-TUE)...

NO SIGNIFICANT CHANGES THIS EVENING FOR PROJECTED TIMING/STRENGTH OF THE IMMINENT SANTA ANA WIND EVENT STARTING LATE TONIGHT AND SUNDAY MORNING. THERE WERE AREAS OF LOW CLOUDS AND PATCHY FOG EARLY THIS EVENING ALONG THE SOUTHERN HALF OF THE SAN DIEGO COUNTY COAST...BUT SINCE 7 PM THESE CLOUDS WERE ERODING. ANY LINGERING STRATUS SHOULD DIMINISH LATER TONIGHT AS OFFSHORE TRENDS INCREASE. GUSTY WESTERLY WINDS PERSISTED EARLY THIS EVE IN THE DESERT WITH LOCAL GUSTS TO 35 MPH...AND WILL SHIFT NW OVERNIGHT. ALLOWED THE WIND ADVISORY TO EXPIRE AT 8 PM FOR THE HIGH DESERT. SURFACE PRESSURE GRADIENTS AT 04Z WERE TRENDING STRONGLY OFFSHORE FROM THE NORTH WITH SAN-WMC AROUND -13 MB...AND ONSHORE TO THE EAST WITH 7.5 MB SAN-IPL.

THERE WILL INITIALLY BE SOME UPPER AND THERMAL SUPPORT FOR OFFSHORE WINDS BUT MORE GRADIENT SUPPORT. THE STRONGEST WINDS WILL BE THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES...STARTING IN THE AND NEAR THE SAN BERNARDINO AND SANTA ANA MOUNTAINS SUN MORNING AND THEN TURNING MORE NE TO E AND SPREADING S DURING THE DAY. EXPECT PEAK LOCAL GUSTS FROM 60 TO 80 MPH BELOW CAJON PASS AND SANTA ANA CANYONS SUCH AS FREMONT CANYON. THESE STRONG GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH MON AND GRADUALLY WEAKEN MON NIGHT AS OFFSHORE GRADIENTS DECREASE. LOCAL GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH TUE.

DRY AND WARM CONDITIONS COMBINED WITH THE OFFSHORE WINDS WILL RESULT IN CRITICAL FIRE WEATHER CONDITIONS THROUGH TUE. RED FLAG WARNING REMAINS IN EFFECT. A VERY WARM OCTOBER AIRMASS WILL ALSO DEVELOP WEST OF THE MOUNTAINS UNDER THE STRONG UPPER HIGH AND BOOSTED BY SUBSIDENCE/COMPRESSIONAL WARMING. BY TUE INLAND TEMPERATURES WILL BE WELL INTO THE 90S WITH HOTTEST SPOTS REACHING AROUND 100.

&&

.LONG TERM (WED-SAT)...

THE OFFSHORE FLOW WILL WEAKEN BUT CONTINUE INTO THU. VERY WARM AGAIN WED THEN SLIGHTLY COOLER THU AS THE HIGH ALOFT WEAKENS. STRONGER COOLING BY FRI WITH INCREASING ONSHORE FLOW PUSHING INLAND. A BIG DIFFERENCE IN THE MODELS FOR NEXT WEEKEND BUT THEY GENERALLY INDICATE TROUGHING NEAR THE W COAST FOR A RETURN OF MARINE LAYER NEAR THE COAST AND SEASONABLY COOLER AIR.

&&

.AVIATION...

210350Z...MARINE INVERSION WAS 1500 FEET ACCORDING TO KSAN ACARS...  
AND SCT-BKN STRATUS CONTINUED AT THAT LEVEL NEAR THE SOUTHERN SAN  
DIEGO COUNTY COAST. THIS SHOULD ERODE OVERNIGHT...AND KSAN...WHICH  
WENT SCT AT 0326Z MIGHT NOT REGAIN ITS CEILING THE REST OF THE  
NIGHT. DUE TO THE DISINTEGRATION OF THE STRATUS BEFORE THE LOWERING  
OF THE INVERSION...DENSE FOG SHOULD NOT BE A PROBLEM OVERNIGHT. NO  
MARINE LAYER STRATUS/FOG IS EXPECTED SUNDAY OR SUNDAY NIGHT.

SANTA ANA WINDS WILL DEVELOP OVERNIGHT...GENERALLY BETWEEN 06Z AND  
12Z IN THE KONT/KCNO/KRAL AREAS AND SAN BERNARDINO/SAN GABRIEL MTNS  
AND BETWEEN 12Z AND 18Z IN AREAS FURTHER SOUTH...INCLUDING THE KSNA  
AREA. LOCAL VSBY RESTRICTIONS BELOW 1 MILE WILL OCCUR NEAR  
KONT/KCNO/KRAL SUNDAY DUE TO BLOWING DUST. WIND SHEAR WILL BE A  
PROBLEM...ESPECIALLY DURING THE ONSET OF THE WINDS...AND COULD OCCUR  
ALMOST ANYWHERE INCLUDING THE COACHELLA VALLEY. THE WINDS WILL  
CONTINUE SUNDAY NIGHT.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

HIGH WIND WARNING FROM 3 AM SUNDAY TO 6 PM PDT MONDAY FOR THE  
SAN BERNARDINO...RIVERSIDE AND SANTA ANA MOUNTAINS AND FOR THE  
INLAND EMPIRE AND ORANGE COUNTY. SEE LAXNPWSGX.

HIGH WIND WARNING FROM 9 AM SUNDAY TO 6 PM PDT MONDAY FOR THE  
SAN DIEGO MOUNTAINS AND INLAND VALLEYS. SEE LAXNPWSGX.

RED FLAG WARNING FROM 8 AM SUNDAY TO 3 PM PDT TUESDAY FOR ALL OF  
THE MOUNTAINS...INLAND VALLEYS AND ORANGE COUNTY. SEE LAXRFWSGX.

FIRE WEATHER WATCH FROM MONDAY MORNING THROUGH MONDAY AFTERNOON  
FOR THE SAN DIEGO COUNTY COASTAL AREAS. SEE LAXRFWSGX.

SMALL CRAFT ADVISORY THROUGH MONDAY EVENING FOR THE COASTAL WATERS.  
SEE LAXCWFSGX.

&&

\$\$

PUBLIC...LAVIS

AVIATION...MAXWELL

FXUS66 KSGX 211056  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
400 AM PDT SUN OCT 21 2007

.SYNOPSIS...

CLASSIC STRONG HOT DRY SANTA ANA PATTERN WILL DEVELOP TODAY AND CONTINUE INTO TUESDAY. CONTINUED WARM AND VERY DRY FOR WEDNESDAY AND THURSDAY WITH WEAKER OFFSHORE WINDS. FAIR AND COOLER FOR NEXT WEEKEND AS A WEAK TROUGH OF LOW PRESSURE DEVELOPS NEAR CALIFORNIA.  
&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH TUESDAY)...

CLASSIC STRONG HOT DRY SANTA ANA PATTERN DEVELOPING TODAY THAT WILL CONTINUE THROUGH MONDAY. HIGH PRESSURE Aloft OVER THE EASTERN PACIFIC WILL BUILD EASTWARD OVER CALIFORNIA THROUGH MID WEEK AS A STRONG TROUGH OF LOW PRESSURE OVER THE ROCKIES MOVES SLOWLY EASTWARD. SURFACE HIGH PRESSURE WILL BUILD OVER THE GREAT BASIN. PATTERN IS TRANSITIONING FROM WEST TO NORTHWEST FLOW SATURDAY (STRONG GUSTY WINDS OVER THE UPPER DESERTS) TO NORTH FLOW SATURDAY EVENING TO NORTHEAST FLOW (SANTA ANA WINDS) TODAY THROUGH MONDAY.

SINCE MIDNIGHT... SANTA ANA WINDS HAVE DEVELOPED BELOW THE CAJON PASS AND DEVELOPED IN THE SANTA ANA MOUNTAINS AFTER 2 AM. THERE HAVE BEEN GUSTS TO AROUND 70 MPH BELOW THE CAJON PASS AND AROUND 60 MPH IN THE SANTA ANA MOUNTAINS. THERE HAVE ALSO BEEN REPORTS OF DOWNED TREES...POWER LINES...AND ROAD SIGNS IN THE INLAND EMPIRE BELOW THE CAJON PASS. CORONA MUNICIPAL AIRPORT HAS REPORTED REDUCED VISIBILITY AND A LOW CEILING THE PAST 2 HOURS IN WHAT IS PRESUMABLY BLOWING DUST. THIS APPEARS TO BE THE TYPE OF STRONG...EARLY SEASON SANTA ANA THAT CAN GENERATE LARGE AREAS OF BLOWING DUST IN THE INLAND EMPIRE WITH THE RESULTING DUST PLUME MOVING WESTWARD OVER LOS ANGELES AND OUT OVER THE PACIFIC.

WINDS WILL CONTINUE TO STRENGTHEN...BECOME MORE WIDESPREAD...AND SPREAD SOUTHWARD THIS MORNING. LOCAL WIND GUIDANCE SHOWS PEAK GUSTS IN THE SANTA ANA MOUNTAINS AND BELOW CAJON PASS OF AROUND 85 MPH THROUGH MONDAY. THERE WILL BE SOME WARMING TODAY...GREATEST NEAR THE COAST...WITH GREATER WARMING FOR MONDAY AND TUESDAY. SOME AREAS NOT TOO FAR INLAND FROM THE COAST INLAND TO THE LOWER COASTAL VALLEYS COULD HAVE HIGHS NEAR 100 MONDAY AND TUESDAY. WINDS WILL WEAKEN SOME MONDAY NIGHT AND TUESDAY...BUT SHOULD STILL BE AT LEAST AT ADVISORY STRENGTH IN THE WINDIER LOCATIONS.

FOR SAN DIEGO COUNTY...NAM HAS HAD THE RIGHT IDEA IN SHOWING A WEAK COASTAL EDDY WITH AREAS OF STRATUS ALONG THE CENTRAL AND SOUTHERN COAST OF SAN DIEGO COUNTY EXTENDING INLAND INTO THE WESTERN VALLEYS. THIS SHOULD BE ERODE QUICKLY BY SUNRISE BY THE DEVELOPING OFFSHORE FLOW. NORTHWEST AREAS OF SAN DIEGO COUNTY ADJACENT TO THE SANTA ANA MOUNTAINS SHOULD SEE WINDS FIRST THIS MORNING WITH A WIND ADVISORY ISSUED FOR THE SAN DIEGO COUNTY COASTAL AREAS...MAINLY NORTH OF OCEANSIDE. LATER THIS MORNING...SANTA ANA WINDS WILL DEVELOP IN THE SAN DIEGO COUNTY MOUNTAINS AND EXTEND INTO THE FOOTHILLS OF THE SAN DIEGO COUNTY VALLEYS.

&&

.LONG TERM (WEDNESDAY THROUGH SATURDAY)...  
FOR WEDNESDAY AND THURSDAY...CONTINUED VERY DRY WITH WEAKER OFFSHORE  
WINDS WITH SLOW COOLING FOR THURSDAY. FOR FRIDAY AND SATURDAY...A  
WEAK UPPER TROUGH OF LOW PRESSURE WILL DEVELOP SOMEWHERE IN THE  
VICINITY OF THE CALIFORNIA COAST. THIS WILL BRING SLOW COOLING INTO  
THE WEEKEND WITH SOME RETURN OF THE MARINE LAYER POSSIBLE.

&&

.AVIATION...

211030Z...MARINE INVERSION WAS 1500 FEET...AND SCT-BKN STRATUS  
CONTINUED AT THAT LEVEL OVER THE S HALF OF THE SAN DIEGO COUNTY  
COAST. THIS SHOULD ERODE BY SUNRISE. NO MARINE LAYER STRATUS/FOG IS  
EXPECTED TONIGHT. SANTA ANA WINDS HAVE DEVELOPED IN THE  
KONT/KCNO/KRAL AREAS AND SAN BERNARDINO/SAN GABRIEL MTNS AND WILL  
DEVELOP BETWEEN 12Z AND 18Z IN AREAS FURTHER SOUTH...INCLUDING THE  
KSNA AREA. LOCAL VSBY RESTRICTIONS BELOW 1 MILE WILL OCCUR IN THE  
KONT/KCNO/KRAL SUNDAY DUE TO BLOWING DUST. WIND SHEAR WILL BE A  
PROBLEM. THE WINDS WILL CONTINUE TONIGHT.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING UNTIL 6 PM PDT MONDAY FOR ORANGE COUNTY  
COASTAL AREAS-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO  
COUNTY MOUNTAINS-SAN BERNARDINO AND RIVERSIDE COUNTY  
VALLEYS-THE INLAND EMPIRE-SANTA ANA MOUNTAINS AND FOOTHILLS.

RED FLAG WARNING FROM 8 AM THIS MORNING TO 3 PM PDT TUESDAY FOR  
ORANGE COUNTY COASTAL AREAS-RIVERSIDE COUNTY MOUNTAINS-  
INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN  
BERNARDINO NATIONAL FOREST-SAN BERNARDINO AND RIVERSIDE  
COUNTY VALLEYS-THE INLAND EMPIRE-SAN BERNARDINO COUNTY  
MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY  
RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST-SAN  
DIEGO COUNTY INLAND VALLEYS-SAN DIEGO COUNTY MOUNTAINS-  
INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE  
CLEVELAND NATIONAL FOREST-SANTA ANA MOUNTAINS-INCLUDING THE  
TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

WIND ADVISORY UNTIL 6 PM PDT THIS AFTERNOON FOR COACHELLA  
VALLEY.

FIRE WEATHER WATCH FROM MONDAY MORNING THROUGH MONDAY AFTERNOON  
FOR SAN DIEGO COUNTY COASTAL AREAS.

WIND ADVISORY FROM 6 AM THIS MORNING TO 6 PM PDT THIS AFTERNOON  
FOR SAN DIEGO COUNTY COASTAL AREAS.

HIGH WIND WARNING FROM 9 AM THIS MORNING TO 6 PM PDT MONDAY FOR  
SAN DIEGO COUNTY MOUNTAINS-SAN DIEGO COUNTY VALLEYS.

PZ...SMALL CRAFT ADVISORY UNTIL 6 PM PDT MONDAY FOR COASTAL WATERS  
FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT 30 NM-  
WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING 30  
TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

&&

\$\$

PUBLIC...MARTIN

AVIATION/MARINE...MACKECHNIE

NWS ON THE WEB AT WEATHER.GOV/SANDIEGO

FXUS66 KSGX 211249 CCA  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
400 AM PDT SUN OCT 21 2007

.SYNOPSIS...

CLASSIC STRONG HOT DRY SANTA ANA PATTERN WILL DEVELOP TODAY AND CONTINUE INTO TUESDAY. CONTINUED WARM AND VERY DRY FOR WEDNESDAY AND THURSDAY WITH WEAKER OFFSHORE WINDS. FAIR AND COOLER FOR NEXT WEEKEND AS A WEAK TROUGH OF LOW PRESSURE DEVELOPS NEAR CALIFORNIA.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH TUESDAY)...

CLASSIC STRONG HOT DRY SANTA ANA PATTERN DEVELOPING TODAY THAT WILL CONTINUE THROUGH MONDAY. HIGH PRESSURE ALOFT OVER THE EASTERN PACIFIC WILL BUILD EASTWARD OVER CALIFORNIA THROUGH MID WEEK AS A STRONG TROUGH OF LOW PRESSURE OVER THE ROCKIES MOVES SLOWLY EASTWARD. SURFACE HIGH PRESSURE WILL BUILD OVER THE GREAT BASIN. PATTERN IS TRANSITIONING FROM WEST TO NORTHWEST FLOW SATURDAY (STRONG GUSTY WINDS OVER THE UPPER DESERTS) TO NORTH FLOW SATURDAY EVENING TO NORTHEAST FLOW (SANTA ANA WINDS) TODAY THROUGH MONDAY.

SINCE MIDNIGHT... SANTA ANA WINDS HAVE DEVELOPED BELOW THE CAJON PASS AND DEVELOPED IN THE SANTA ANA MOUNTAINS AFTER 2 AM. THERE HAVE BEEN GUSTS TO AROUND 70 MPH BELOW THE CAJON PASS AND AROUND 60 MPH IN THE SANTA ANA MOUNTAINS. THERE HAVE ALSO BEEN REPORTS OF DOWNED TREES...POWER LINES...AND ROAD SIGNS IN THE INLAND EMPIRE BELOW THE CAJON PASS. CORONA MUNICIPAL AIRPORT HAS REPORTED REDUCED VISIBILITY AND A LOW CEILING THE PAST 2 HOURS IN WHAT IS PRESUMABLY BLOWING DUST. THIS APPEARS TO BE THE TYPE OF STRONG...EARLY SEASON SANTA ANA THAT CAN GENERATE LARGE AREAS OF BLOWING DUST IN THE INLAND EMPIRE WITH THE RESULTING DUST PLUME MOVING WESTWARD OVER LOS ANGELES AND OUT OVER THE PACIFIC.

WINDS WILL CONTINUE TO STRENGTHEN...BECOME MORE WIDESPREAD...AND SPREAD SOUTHWARD THIS MORNING. LOCAL WIND GUIDANCE SHOWS PEAK GUSTS IN THE SANTA ANA MOUNTAINS AND BELOW CAJON PASS OF AROUND 85 MPH THROUGH MONDAY. THERE WILL BE SOME WARMING TODAY...GREATEST NEAR THE COAST...WITH GREATER WARMING FOR MONDAY AND TUESDAY. SOME AREAS NOT TOO FAR INLAND FROM THE COAST INLAND TO THE LOWER COASTAL VALLEYS COULD HAVE HIGHS NEAR 100 MONDAY AND TUESDAY. WINDS WILL WEAKEN SOME MONDAY NIGHT AND TUESDAY...BUT SHOULD STILL BE AT LEAST AT ADVISORY STRENGTH IN THE WINDIER LOCATIONS.

FOR SAN DIEGO COUNTY...NAM HAS HAD THE RIGHT IDEA IN SHOWING A WEAK COASTAL EDDY WITH AREAS OF STRATUS ALONG THE CENTRAL AND SOUTHERN COAST OF SAN DIEGO COUNTY EXTENDING INLAND INTO THE WESTERN VALLEYS. THIS SHOULD BE ERODE QUICKLY BY SUNRISE BY THE DEVELOPING OFFSHORE FLOW. NORTHWEST AREAS OF SAN DIEGO COUNTY ADJACENT TO THE SANTA ANA MOUNTAINS SHOULD SEE WINDS FIRST THIS MORNING WITH A WIND ADVISORY ISSUED FOR THE SAN DIEGO COUNTY COASTAL AREAS...MAINLY NORTH OF OCEANSIDE. LATER THIS MORNING...SANTA ANA WINDS WILL DEVELOP IN THE SAN DIEGO COUNTY MOUNTAINS AND EXTEND INTO THE FOOTHILLS OF THE SAN DIEGO COUNTY VALLEYS.

&&

.LONG TERM (WEDNESDAY THROUGH SATURDAY)...  
FOR WEDNESDAY AND THURSDAY...CONTINUED VERY DRY WITH WEAKER OFFSHORE  
WINDS WITH SLOW COOLING FOR THURSDAY. FOR FRIDAY AND SATURDAY...A  
WEAK UPPER TROUGH OF LOW PRESSURE WILL DEVELOP SOMEWHERE IN THE  
VICINITY OF THE CALIFORNIA COAST. THIS WILL BRING SLOW COOLING INTO  
THE WEEKEND WITH SOME RETURN OF THE MARINE LAYER POSSIBLE.

&&

.AVIATION...

211230Z...MARINE INVERSION WAS LESS THAN 1000 FEET...AND SCT-BKN  
STRATUS AND LOCAL DENSE FOG CONTINUED OVER THE S HALF OF THE SAN  
DIEGO COUNTY COAST. THIS SHOULD ERODE JUST AFTER SUNRISE. NO MARINE  
LAYER IS EXPECTED TONIGHT. STRONG SANTA ANA WINDS HAVE DEVELOPED IN  
THE KONT/KCNO/KRAL AREAS AND SAN BERNARDINO/SAN GABRIEL MTNS AND  
WILL DEVELOP BETWEEN 12Z AND 18Z IN AREAS FURTHER SOUTH...INCLUDING  
THE KSNA AREA. LOCAL VSBY RESTRICTIONS BELOW 1 MILE WILL OCCUR IN  
THE KONT/KCNO/KRAL SUNDAY DUE TO BLOWING DUST. WIND SHEAR WILL BE A  
PROBLEM. THE WINDS WILL CONTINUE TONIGHT.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING UNTIL 6 PM PDT MONDAY FOR ORANGE COUNTY  
COASTAL AREAS-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO  
COUNTY MOUNTAINS-SAN BERNARDINO AND RIVERSIDE COUNTY  
VALLEYS-THE INLAND EMPIRE-SANTA ANA MOUNTAINS AND FOOTHILLS.

RED FLAG WARNING FROM 8 AM THIS MORNING TO 3 PM PDT TUESDAY FOR  
ORANGE COUNTY COASTAL AREAS-RIVERSIDE COUNTY MOUNTAINS-  
INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN  
BERNARDINO NATIONAL FOREST-SAN BERNARDINO AND RIVERSIDE  
COUNTY VALLEYS-THE INLAND EMPIRE-SAN BERNARDINO COUNTY  
MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY  
RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST-SAN  
DIEGO COUNTY INLAND VALLEYS-SAN DIEGO COUNTY MOUNTAINS-  
INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE  
CLEVELAND NATIONAL FOREST-SANTA ANA MOUNTAINS-INCLUDING THE  
TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

WIND ADVISORY UNTIL 6 PM PDT THIS AFTERNOON FOR COACHELLA  
VALLEY.

FIRE WEATHER WATCH FROM MONDAY MORNING THROUGH MONDAY AFTERNOON  
FOR SAN DIEGO COUNTY COASTAL AREAS.

WIND ADVISORY FROM 6 AM THIS MORNING TO 6 PM PDT THIS AFTERNOON  
FOR SAN DIEGO COUNTY COASTAL AREAS.

HIGH WIND WARNING FROM 9 AM THIS MORNING TO 6 PM PDT MONDAY FOR  
SAN DIEGO COUNTY MOUNTAINS-SAN DIEGO COUNTY VALLEYS.

PZ...SMALL CRAFT ADVISORY UNTIL 6 PM PDT MONDAY FOR COASTAL WATERS  
FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT 30 NM-  
WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING 30  
TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

&&

\$\$

PUBLIC...MARTIN

AVIATION/MARINE...MACKECHNIE

NWS ON THE WEB AT WEATHER.GOV/SANDIEGO

FXUS66 KSGX 211559  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
930 AM PDT SUN OCT 21 2007

.SYNOPSIS...

A STRONG SANTA ANA WILL BRING VERY WINDY...HOT AND DRY WEATHER THROUGH TUESDAY. THE STRONGEST WINDS WILL BE THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. WEAKER OFFSHORE FLOW WILL MAINTAIN VERY WARM AND LOCALLY WINDY WEATHER WEDNESDAY. GRADUALLY COOLER THURSDAY AND FRIDAY AS HIGH PRESSURE AND OFFSHORE FLOW WEAKEN. MORE CLOUDS AND COOLING NEXT WEEKEND AS UPPER LEVEL LOW PRESSURE DEVELOPS.  
&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY-WED)...

THERE WAS DENSE FOG IN THE SAN DIEGO COASTAL AREAS AND WRN INLAND VALLEYS THIS MORNING. OTHERWISE...MOSTLY CLEAR WITH HIGH CLOUDS. THE 12Z NKX SOUNDING HAD AN INVERSION BASED NEAR 1500 FT WITH NW WINDS ALOFT. OFFSHORE GRADIENTS WITH ABOUT -11 MB SAN-LAS AND LOCAL STRONG GUSTY WINDS HAVE DEVELOPED THROUGH THE MOUNTAINS AND PASSES IN THE NRN AREAS...ESPECIALLY BELOW THE CAJON PASS AND IN THE SANTA ANA MOUNTAINS WITH WINDS STARTING TO PICK IN AND NEAR THE SRN MOUNTAINS.

STRONG SANTA ANA WINDS WILL SPREAD S TODAY AS OFFSHORE GRADIENTS TURN FROM THE N TO THE NE. THE UPPER AND THERMAL SUPPORT FOR OFFSHORE WINDS WILL GRADUALLY WEAKEN AS UPPER LEVEL HIGH PRESSURE BUILDS ALOFT. WIDESPREAD STRONG WINDS WILL DECREASE A LITTLE TUE BUT OFFSHORE GRADIENTS WILL CONTINUE LOCALLY VERY STRONG GUSTY WINDS...ESPECIALLY THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. THE WINDS WILL TURN MORE ELY TUE WITH STRONGER WINDS MOVING INTO SAN DIEGO COUNTY. WEAKER OFFSHORE FLOW WED. HOT DAYS...ESPECIALLY W OF THE MOUNTAINS MON AND TUE. THE SRN DESERTS COULD ALSO GET ADVISORY STRENGTH WIND GUSTS TODAY. THERE COULD BE LOCAL MAX TEMPS NEAR 100 DEGREES INTO THE COASTAL AREAS TUE. CURRENT WIND WARNINGS AND ADVISORIES LOOK GOOD BUT ADVISORIES AND LOCAL WARNINGS MAY HAVE TO BE EXTENDED. THE DRY...HOT OFFSHORE WINDS WILL CAUSE CRITICAL FIRE WEATHER CONDITIONS THROUGH TUE. CURRENT WARNINGS AND ADVISORIES LOOK GOOD BUT MAY HAVE TO EXTEND WIND ADVISORIES AND LOCAL WIND WARNINGS INTO TUE.

&&

.LONG TERM (THU-SUN)...

WEAKER OFFSHORE FLOW WILL RESULT IN A LITTLE COOLING THU. MORE COOLING FRI AS THE HIGH ALOFT WEAKENS. BIG DIFFERENCE IN THE LONGER RANGE PROGS BUT IT LOOKS LIKE AN UPPER LOW WILL DEVELOP NEAR SRN CA FOR MORE CLOUDS AND COOLING. THERE IS A POSSIBILITY THAT MOISTURE FROM TROPICAL STORM KIKO COULD BRING SOME SHOWERS NEXT WEEKEND...BUT TOO MUCH UNCERTAINTY TO INCLUDE IN THE FORECAST AT THIS TIME.

&&

.AVIATION...

211520Z...LAST VESTIGES OF MARINE STRATUS AND FOG BLOWING OUT TO SEA. VFR WILL RULE FOR THE NEXT SEVERAL DAYS EXCEPT FOR LOCAL VISIBILITY RESTRICTIONS IN BLOWING DUST AND SMOKE. SANTA ANA WINDS HAVE DEVELOPED OVER MOST OF THE AREA AND WILL CONTINUE THROUGH MON.

LOCAL VSBY RESTRICTIONS BELOW 1 MILE WILL OCCUR AT KONT/KCNO/KRAL  
DUE TO BLOWING DUST. WIND SHEAR WILL BE A PROBLEM AT TIMES AS WELL  
INCLUDING COASTAL SITES.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

HIGH WIND WARNING UNTIL 6 PM PDT MONDAY FOR THE MOUNTAINS...INLAND  
VALLEYS AND ORANGE COUNTY. SEE LAXNPWSGX.

WIND ADVISORY UNTIL 6 PM MONDAY FOR THE SAN DIEGO COASTAL AREAS. SEE  
LAXNPWSGX.

WIND ADVISORY UNTIL 6 PM TODAY FOR THE COACHELLA VALLEY AND  
SAN DIEGO DESERTS. SEE LAXNPWSGX.

WIND ADVISORY FROM 6 PM MONDAY UNTIL 6 PM TUESDAY FOR THE  
MOUNTAINS...INLAND VALLEYS AND ORANGE COUNTY. SEE LAXNPWSGX.

RED FLAG WARNING UNTIL 3 PM PDT TUESDAY FOR THE MOUNTAINS...INLAND  
VALLEYS AND COASTAL AREAS. SEE LAXRFSGX.

SMALL CRAFT ADVISORY UNTIL 6 PM PDT MONDAY FOR COASTAL WATERS. SEE  
LAXCWFSGX.

&&

\$\$

PUBLIC...DVA

AVIATION...JAD



FXUS66 KSGX 212034 RRA  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
230 PM PDT SUN OCT 21 2007

.SYNOPSIS...

A STRONG SANTA ANA WILL BRING VERY WINDY...HOT AND DRY WEATHER THROUGH TUESDAY. THE STRONGEST WINDS WILL BE THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. WEAKER OFFSHORE FLOW WILL MAINTAIN VERY WARM AND LOCALLY WINDY WEATHER WEDNESDAY. GRADUALLY COOLER THURSDAY AND FRIDAY AS HIGH PRESSURE AND OFFSHORE FLOW WEAKEN. MORE CLOUDS AND COOLING NEXT WEEKEND AS UPPER LEVEL LOW PRESSURE DEVELOPS.  
&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY-WED)...

THERE WAS DENSE FOG IN THE SAN DIEGO COASTAL AREAS AND WRN INLAND VALLEYS THIS MORNING. OTHERWISE...MOSTLY CLEAR EXCEPT FOR LOCAL BLOWING DUST AND SMOKE. EARLY AFTERNOON ACARS SOUNDINGS INDICATED AN INVERSION BASED BELOW 1000 FT WITH E TO NE WINDS BELOW 10000 FT AND NNW WINDS ABOVE. OFFSHORE GRADIENTS WITH ABOUT -10 MPH SAN-LAS. LOCAL STRONG GUSTY WINDS HAVE DEVELOPED THROUGH THE MOUNTAINS AND PASSES IN THE NRN AREAS...ESPECIALLY BELOW THE CAJON PASS AND IN THE SANTA ANA MOUNTAINS WITH WINDS MODERATELY STRONG WINDS EXTENDING S INTO SAN DIEGO COUNTY.

THE OFFSHORE GRADIENTS WILL GRADUALLY SHIFT AROUND MORE FROM THE NE TO E THROUGH MON AND WILL CONTINUE STRONG GUSTY SANTA ANA WINDS...ESPECIALLY THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. THE UPPER AND THERMAL SUPPORT FOR OFFSHORE WINDS WILL GRADUALLY WEAKEN AS UPPER LEVEL HIGH PRESSURE BUILDS ALOFT. WIDESPREAD STRONG WINDS WILL DECREASE A LITTLE TUE BUT OFFSHORE GRADIENTS WILL CONTINUE LOCALLY VERY STRONG GUSTY WINDS...ESPECIALLY THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. THE WINDS WILL TURN MORE ELY TUE WITH STRONGER WINDS MOVING INTO SAN DIEGO COUNTY. WEAKER OFFSHORE FLOW WED. HOT DAYS...ESPECIALLY W OF THE MOUNTAINS MON AND TUE. THE SRN DESERTS COULD ALSO GET ADVISORY STRENGTH WIND GUSTS TODAY. THERE COULD BE LOCAL MAX TEMPS NEAR 100 DEGREES INTO THE COASTAL AREAS TUE. CURRENT WIND WARNINGS AND ADVISORIES LOOK GOOD BUT ADVISORIES AND LOCAL WARNINGS MAY HAVE TO BE EXTENDED. THE DRY...HOT OFFSHORE WINDS WILL CAUSE CRITICAL FIRE WEATHER CONDITIONS THROUGH TUE. CURRENT WARNINGS AND ADVISORIES LOOK GOOD BUT MAY HAVE TO EXTEND WIND ADVISORIES AND LOCAL WIND WARNINGS INTO TUE.  
&&

.LONG TERM (THU-SUN)...

WEAKER OFFSHORE FLOW WILL RESULT IN A LITTLE COOLING THU. MORE COOLING FRI AS THE HIGH ALOFT WEAKENS. BIG DIFFERENCE IN THE LONGER RANGE PROGS BUT IT LOOKS LIKE AN UPPER LOW WILL DEVELOP NEAR SRN CA FOR MORE CLOUDS AND COOLING. THERE IS A POSSIBILITY THAT MOISTURE FROM TROPICAL STORM KIKO COMBINED WITH THE UPPER LOW COULD BRING SOME SHOWERS SUN...BUT TOO MUCH UNCERTAINTY TO INCLUDE IN THE FORECAST AT THIS TIME.  
&&

.AVIATION...

211900Z...WIDESPREAD VFR CONDITIONS EXPECTED FOR THE NEXT FEW DAYS EXCEPT FOR LOCAL VISIBILITY RESTRICTIONS IN BLOWING DUST AND SMOKE. SANTA ANA WINDS HAVE DEVELOPED OVER MOST OF THE AREA AND WILL CONTINUE THROUGH MON. MAIN CONCERNS WILL BE FOR LOW-LEVEL WIND SHEAR WHERE THE STRONG EAST WINDS DO NOT SURFACE. THERE ARE INDICATIONS THAT THE EASTERLY WIND BETWEEN FL020 AND FL050 AND OVER THE HIGHER TERRAIN MAY EXCEED 50 KT AT TIMES WHICH MAY RESULT IN AREAS OF STRONG UP AND DOWN DRAFTS AND EXTREME TURBULENCE.

WHILE KSNA/KCRQ/KONT/KPSP ARE EXPERIENCING STRONG SURFACE WINDS... KSAN HAS NOT. THIS WILL NEED TO BE WATCHED. THIS EVENT IS WIDESPREAD AND STRONG ENOUGH TO AFFECT KSAN WITH EASTERLY WINDS AT TIMES LATER TODAY THROUGH MON. THE CURRENT TAF INDICATED EITHER LOW-LEVEL WIND SHEAR OR MODERATE AND GUSTY EASTERLY FLOW WHICH MAY REQUIRE AIRPORT OPERATIONS TO BE REVERSED.

&&

.MARINE...

211900Z...CURRENT SMALL CRAFT ADVISORY IS MAINLY FOR ROUGH SEAS BUT LOCAL WIND GUSTS MAY REACH 25 KT AT TIMES OVERNIGHT IN THE OUTER PORTION. A LARGE SOUTH SWELL WILL PICK UP WHERE THE NW SWELL LEAVES OFF TONIGHT AND MON KEEPING THE RIP CURRENT RISK HIGH.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

HIGH WIND WARNING UNTIL 6 PM PDT MONDAY FOR THE MOUNTAINS...INLAND VALLEYS AND ORANGE COUNTY. SEE LAXNPWSGX.

WIND ADVISORY UNTIL 6 PM MONDAY FOR THE SAN DIEGO COASTAL AREAS. SEE LAXNPWSGX.

WIND ADVISORY UNTIL 6 PM TODAY FOR THE COACHELLA VALLEY AND SAN DIEGO DESERTS. SEE LAXNPWSGX.

WIND ADVISORY FROM 6 PM MONDAY UNTIL 6 PM TUESDAY FOR THE MOUNTAINS...INLAND VALLEYS AND ORANGE COUNTY. SEE LAXNPWSGX.

RED FLAG WARNING UNTIL 3 PM PDT TUESDAY FOR THE MOUNTAINS...INLAND VALLEYS AND COASTAL AREAS. SEE LAXRFGWSGX.

SMALL CRAFT ADVISORY UNTIL 6 PM PDT MONDAY FOR COASTAL WATERS. SEE LAXCWFSGX.

&&

\$\$

PUBLIC...DVA

AVIATION...JAD

FXUS66 KSGX 220512  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
930 PM PDT SUN OCT 21 2007

.SYNOPSIS...

A STRONG SANTA ANA WILL BRING VERY WINDY...DRY AND HOT WEATHER WITH A CRITICAL FIRE HAZARD THROUGH TUESDAY. THE STRONGEST WINDS WILL BE THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. WEAKER OFFSHORE FLOW WILL MAINTAIN VERY WARM AND LOCALLY WINDY WEATHER WEDNESDAY. GRADUALLY COOLER THURSDAY AND FRIDAY AS HIGH PRESSURE AND OFFSHORE FLOW WEAKEN.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY-WED)...

STRONG GUSTY SANTA ANA WINDS AND CRITICAL FIRE WEATHER CONDITIONS WILL BE THE PRIMARY FOCUS IN THE NEAR TERM. THERE HAVE BEEN NUMEROUS WILDFIRE IGNITIONS ACROSS THE FORECAST AREA TODAY...FIRES WHICH HAVE SUBSEQUENTLY BEEN SPREADING RAPIDLY AND STRONGLY FROM THE WINDS AND VERY DRY AIRMASS. AT THIS TIME THE LARGEST FIRES WERE: IN SAN DIEGO COUNTY THE WITCH CREEK FIRE JUST EAST OF RAMONA AND THE HARRIS FIRE SOUTHEAST OF DULZURA NEAR THE MEXICO BORDER...AND IN ORANGE CO THE SANTIAGO FIRE NEAR IRVINE. ALSO NEWER HOT SPOT ON SATPIX IN THE INLAND EMPIRE NEAR CHINO. SMOKE PLUMES FROM THESE FIRES WERE THICK WITH LOWERED VISIBILITIES AND HIGH AMOUNTS OF ASH AND PARTICULATES. OVERALL LOOKING AT A GRIM SITUATION WITH CONTINUED WINDS AND CRITICAL FIRE WEATHER FACTORS THRU TUESDAY.

OFFSHORE SURFACE PRESSURE GRADIENTS WERE STRONG THIS EVENING WITH ABOUT -19 MB SAN-WMC AND -5 MB SAN-IPL. AREA SOUNDINGS SHOWED STRONG NORTHEAST WINDS WITH A MID LEVEL INVERSION TO HELP FOCUS THE WINDS. PEAK GUSTS TODAY HAVE GENERALLY BEEN 65 TO 85 MPH NEAR AND BELOW THE PASSES AND CANYONS.

FORECAST WINDS ARE ON TRACK WITH NO SIGNIFICANT CHANGES THIS EVE. THE STRONGEST WINDS WILL OCCUR THROUGH MONDAY...ESPECIALLY NEAR PASSES AND CANYONS. OFFSHORE GRADIENTS WILL GRADUALLY SHIFT MORE FROM THE NE TO E THROUGH MON. THE UPPER AND THERMAL SUPPORT FOR OFFSHORE WINDS WILL GRADUALLY WEAKEN AS UPPER LEVEL HIGH PRESSURE BUILDS ALOFT. WIDESPREAD STRONG WINDS WILL DECREASE A LITTLE MONDAY NIGHT AND TUESDAY BUT THE OFFSHORE GRADIENTS WILL STILL MAINTAIN LOCALLY VERY STRONG GUSTY WINDS...ESPECIALLY THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. EASTERLY DIRECTION ON TUE WILL FAVOR STRONG WINDS IN SAN DIEGO COUNTY.

WEAKER OFFSHORE FLOW WED...STILL GUSTY AROUND PARTS OF SAN DIEGO COUNTY AND NEAR BEAUMONT BUT FINALLY DIMINISHING BY THE END OF THE DAY.

HOT DAYS...ESPECIALLY W OF THE MOUNTAINS MON AND TUE. THERE COULD BE LOCAL MAX TEMPS NEAR 100 DEGREES INTO THE COASTAL AREAS TUE. CURRENT WIND WARNINGS AND ADVISORIES LOOK GOOD BUT ADVISORIES AND LOCAL WARNINGS MAY HAVE TO BE EXTENDED.

&&

.LONG TERM (THU-SUN)...

WEAKER OFFSHORE FLOW WILL RESULT IN A LITTLE COOLING THU. MORE COOLING FRI AS THE HIGH ALOFT WEAKENS. BIG DIFFERENCE IN THE LONGER RANGE PROGS BUT IT LOOKS LIKE AN UPPER LOW WILL DEVELOP NEAR SRN CA FOR MORE CLOUDS AND COOLING. THERE IS A POSSIBILITY THAT MOISTURE FROM TROPICAL STORM KIKO COMBINED WITH THE UPPER LOW COULD BRING SOME SHOWERS SUN...BUT TOO MUCH UNCERTAINTY TO INCLUDE IN THE FORECAST AT THIS TIME.

&&

.AVIATION...

220330Z...BIGGEST CHALLENGES THROUGH 24 HOURS ARE THE VISIBILITY RESTRICTIONS AND CIGS DUE TO SMOKE AND BLOWING DUST AND THE SANTA ANA WINDS. KSNA WILL BE MOST IMPACTED BY VSBY RESTRICTIONS DUE TO BEING UNDER THE PLUME OF A NEW AND LARGE FIRE 5-10 MILES E OF THAT AIRPORT. CIGS AND VSBYS AT KSNA WILL BE VARIABLE WITH DENSE SMOKE POSSIBLE AT ANY TIME. KSNB WILL BE PERIODICALLY IMPACTED BY 2 FIRES ABOUT 30 MI SE AND 30 MI NE OF THE AIRPORT...AND KCRQ WILL HAVE RESIDUAL SMOKE AT TIMES. KONT WILL BE IMPACTED BY BLOWING DUST AND BY OCCASIONAL WIND GUSTS IN THE 40 TO 55 KT RANGE. LOWERED VSBYS AND CIGS SHOULD HAVE LESS IMPACT KPSP AND KTRM...THOUGH LOCAL BLOWING DUST WILL STILL BE POSSIBLE.

THE SANTA ANA WINDS WILL PEAK MONDAY MORNING AND RESULT IN WIDESPREAD SURFACE GUSTS OVER 40 KT IN ORANGE COUNTY...THE INLAND EMPIRE...INLAND PARTS OF SAN DIEGO COUNTY AND RIV/SBD COUNTY MTNS. WIND SHEAR WILL BE AN ISSUE...ESPECIALLY IN THOSE AREAS SHELTERED FROM THE WIND AT THE SURFACE. AT KONT AT 0230Z...AN UPWARD BOUND AIRCRAFT HAD AN ACARS SOUNDING WITH 59 KT WINDS FROM THE NE AT 1700 FT AGL. IN ADDITION...UPDRAFTS/DOWNDRAFTS/TURBULENCE WILL OCCUR. CONDITIONS WILL IMPROVE SLIGHTLY STARTING MONDAY NIGHT...BUT VSBY RESTRICTIONS AND CIGS DUE TO SMOKE COULD LAST SEVERAL DAYS.

&&

.MARINE...

220330Z...SMALL CRAFT ADVISORY WILL BE ALLOWED TO CONTINUE THROUGH MONDAY...BUT MOST OF THE STRONG WINDS WILL BE LOCALIZED. THE COASTAL WATERS NORTH OF OCEANSIDE WILL BE MOST IMPACTED...WITH HIGHEST WINDS EXPECTED MONDAY MORNING. INCREASING SOUTH SWELL...AROUND 4 FT...WILL CONTINUE THE HIGH RIP CURRENT RISK MON/TUE.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

RED FLAG WARNING UNTIL 3 PM PDT TUESDAY FOR ALL OF THE MOUNTAINS... INLAND VALLEYS AND COASTAL AREAS. SEE LAXRFGSGX.

HIGH WIND WARNING UNTIL 6 PM PDT MONDAY FOR ALL OF THE MOUNTAINS... INLAND VALLEYS AND ORANGE COUNTY. SEE LAXNPWSGX.

WIND ADVISORY UNTIL 6 PM MONDAY FOR THE SAN DIEGO COASTAL AREAS. SEE LAXNPWSGX.

WIND ADVISORY FROM 6 PM MONDAY UNTIL 6 PM TUESDAY FOR ALL OF THE MOUNTAINS...INLAND VALLEYS AND ORANGE COUNTY. SEE LAXNPWSGX.

SMALL CRAFT ADVISORY UNTIL 6 PM PDT MONDAY FOR COASTAL WATERS. SEE LAXCWFGSGX.

&&

\$\$

PUBLIC...LAVIS

AVIATION...MAXWELL

FXUS66 KSGX 221118  
AFDSGX

AREA FORECAST DISCUSSION  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
415 AM PDT MON OCT 22 2007

.SYNOPSIS...

A STRONG SANTA ANA WILL BRING VERY WINDY...DRY AND HOT WEATHER WITH A CRITICAL FIRE HAZARD THROUGH TUESDAY. THE STRONGEST WINDS WILL BE THROUGH AND BELOW MOUNTAIN CANYONS AND PASSES. WEAKER OFFSHORE FLOW WILL MAINTAIN VERY WARM AND LOCALLY WINDY WEATHER WEDNESDAY. GRADUALLY COOLER THURSDAY AND FRIDAY AS HIGH PRESSURE AND OFFSHORE FLOW WEAKEN.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH WEDNESDAY)...

OVERNIGHT...RAPID GROWTH OF FIRES HAS BEEN NOTED IN SATELLITE IMAGERY...REMINISCENT OF THE CEDAR FIRE. THERE HAVE BEEN NUMEROUS REPORTS OF WIND DAMAGE AS WELL. CONDITIONS WILL REMAIN OPTIMAL FOR EXPLOSIVE WIND DRIVEN FIRE GROWTH TODAY WITH ONLY VERY SLOW IMPROVEMENT TONIGHT AND TUESDAY.

CLASSIC STRONG HOT DRY SANTA ANA WILL CONTINUE TODAY. SOME WEAKENING IS EXPECTED TONIGHT AND TUESDAY. AS THE UPPER TROUGH OF LOW PRESSURE OVER THE EASTERN ROCKIES AND WESTERN PLAINS MOVES EASTWARD AND HIGH PRESSURE ALOFT OFF THE CALIFORNIA COAST MOVES EASTWARD...NORTH WINDS ALOFT WILL BEGIN TO WEAKEN. SURFACE HIGH PRESSURE OVER THE GREAT BASIN THAT HAS STRENGTHENED OVERNIGHT AND SPREAD SOUTHWARD INTO NORTHWEST MEXICO WILL ALSO BEGIN TO WEAKEN.

NORTHERN AREAS HAVE SEEN A CONTINUATION OF THE STRONG WINDS OF SUNDAY OVERNIGHT. THIS WILL CONTINUE THIS MORNING...FOLLOWED BY SLOW WEAKENING THIS AFTERNOON THROUGH TUESDAY. WINDS MAY STILL REACH THE LOW END OF HIGH WIND WARNING CRITERIA IN THE WINDIER LOCATIONS...HOWEVER.

IN SAN DIEGO COUNTY...WINDS HAVE BEEN STEADILY INCREASING IN STRENGTH OVERNIGHT...AROUND 10 TO 15 MPH IN MOST AREAS. PEAK GUSTS IN THE MOUNTAINS ARE NOW APPROACHING 70 MPH AT TIMES WITH WINDS AT THE COAST GUSTING INTO THE 20 TO 30 MPH RANGE. THIS WILL CONTINUE THROUGH THIS MORNING WITH SLOW WEAKENING POSSIBLE THIS AFTERNOON. TREND FOR SLOW WEAKENING FOR TONIGHT AND TUESDAY...BUT STRONGEST WINDS MAY STILL REACH THE LOW END OF HIGH WIND WARNING CRITERIA AT TIMES. FOR TUESDAY NIGHT AND WEDNESDAY...WEAKER OFFSHORE WINDS WILL CONTINUE...BUT MOSTLY BELOW ADVISORY STRENGTH.

COASTAL AREAS WILL SEE ABOUT 10 DEGREES OF WARMING TODAY FROM SUNDAY LEVELS WITH SIMILAR TEMPERATURES FOR TUESDAY. THIS WILL PUSH TEMPERATURES NOT TOO FAR INLAND FROM THE COAST WELL INTO THE 90S WITH A FEW LOCATIONS AROUND 100. AREAS FARTHER INLAND WILL SEE WARMING TODAY AND TUESDAY OF 5 TO 10 DEGREES PER DAY.

CONTINUED VERY WARM AND DRY FOR WEDNESDAY WITH WEAKER LOCAL OFFSHORE WINDS.

&&

.LONG TERM (THURSDAY THROUGH SUNDAY)...

STILL A RANGE OF MODEL SOLUTIONS WITH THE DETAILS OF A TROUGH OF LOW PRESSURE TO DEVELOP SOMEWHERE IN THE VICINITY OF THE CALIFORNIA COAST. THIS SHOULD BRING A COOLING TREND THURSDAY THROUGH THE WEEKEND WITH SOME MOISTENING AS WELL FRIDAY THROUGH THE WEEKEND. LOW CONFIDENCE IN ANY DETAILS BEYOND THAT.

&&

.AVIATION...

220900Z...NORTHEAST WINDS WILL BE STRONGER THIS MORNING AND THEN DECREASE THIS EVENING...BUT INCREASE TONIGHT BUT NOT AS STRONG. SMOKE REDUCING VSBY TO AREAS OF 3-5SM AND LOCALLY TO AROUND 1SM WITH OCCASIONAL OPAQUE SMOKE LAYERS AROUND 2500 FT MSL AND LOCALLY TO 1500 FT. AREAS OF WIND AROUND 30 KT WITH GUSTS TO 50 KT THIS MORNING...DECREASING THIS AFTERNOON. THERE WILL BE STRONG TURBULENCE WITH VERY STRONG UP AND DOWN DRAFTS. PRESSURE GRADIENTS WILL WEAKEN TUESDAY AND SHOULD GET LIGHT WEST WINDS IN AT LEAST SOUTHERN SAN DIEGO COUNTY BY AFTERNOON.

&&

.MARINE...

220900Z...THERE WERE STRONG NORTHEAST WINDS AROUND 25 KT WITH GUSTS TO 35 KT EARLY THIS MORNING AT AVALON AIRPORT ON CATALINA. SOME OF THE STRONG WINDS MAY GET INTO THE NORTH PART OF THE COASTAL WATERS OFF SAN DIEGO COUNTY...THEREFORE THE SMALL CRAFT ADVISORY WILL CONTINUE UNTIL THIS AFTERNOON. A SOUTH SWELL WILL INCREASE TODAY BUT THE PERIOD IS ONLY FORECAST TO BE AROUND 16 SECONDS EARLY THIS MORNING AND DROP TO 15 SECONDS RAPIDLY FOR THE REST OF TODAY.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING UNTIL 6 PM PDT THIS AFTERNOON FOR ORANGE COUNTY COASTAL AREAS-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-SAN DIEGO COUNTY MOUNTAINS-SAN DIEGO COUNTY VALLEYS-SANTA ANA MOUNTAINS AND FOOTHILLS.

RED FLAG WARNING UNTIL 3 PM PDT TUESDAY FOR ORANGE COUNTY COASTAL AREAS-RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST-SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-SAN BERNARDINO COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST-SAN DIEGO COUNTY COASTAL AREAS-SAN DIEGO COUNTY INLAND VALLEYS-SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE CLEVELAND NATIONAL FOREST-SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

WIND ADVISORY FROM 6 PM THIS EVENING TO 7 PM PDT TUESDAY FOR ORANGE COUNTY COASTAL AREAS-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-SAN DIEGO COUNTY MOUNTAINS-SAN DIEGO COUNTY VALLEYS-SANTA ANA MOUNTAINS AND FOOTHILLS.

WIND ADVISORY UNTIL 6 PM PDT THIS AFTERNOON FOR SAN DIEGO COUNTY COASTAL AREAS.

PZ...SMALL CRAFT ADVISORY UNTIL 6 PM PDT THIS AFTERNOON FOR COASTAL WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT 30 NM-WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER

EXTENDING 30 TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

&&

\$\$

PUBLIC...MARTIN

AVIATION/MARINE...WHITLOW

NWS ON THE WEB AT [WEATHER.GOV/SANDIEGO](http://WEATHER.GOV/SANDIEGO)

### A.3 National Weather Service Short Term Forecasts (Nowcasts)

#### NWS Los Angeles/Oxnard Forecast Office

FPUS76 KLOX 220003  
NOWLOX

SHORT TERM FORECASTS  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
502 PM PDT SUN OCT 21 2007

CAZ040-044-045-088-220300-  
SANTA CLARITA VALLEY-VENTURA COUNTY COAST-  
VENTURA COUNTY COASTAL VALLEYS-VENTURA COUNTY INTERIOR VALLEYS-  
502 PM PDT SUN OCT 21 2007

.NOW...

WIDESPREAD SMOKE FROM LOCAL WILD FIRES WILL CONTINUE THROUGH THE EVENING HOURS. AT THIS HOUR...THE HEAVIEST PLUME OF SMOKE EXTENDS FROM SANTA CLARITA WEST THROUGH THE SANTA CLARA RIVER VALLEY AND OVER THE OXNARD PLAIN. SMOKE IS REDUCING VISIBILITIES TO LESS THAN 3 MILES OVER MUCH OF THE REGION...AND LOCALLY RESTRICTING VISIBILITIES TO LESS THAN A QUARTER OF A MILE. ALONG WITH THE GUSTY WINDS...DENSE SMOKE COULD PRODUCE HAZARDOUS DRIVING CONDITIONS TO MOTORISTS TRAVELING ON LOCAL ROADWAYS...INCLUDING HIGHWAYS 101 AND THE 126. IN ADDITION...RESIDENTS ARE URGED TO REMAIN IN DOORS TO AVOID PROLONGED EXPOSURE TO THE SMOKE. CONSIDER MOVING ANIMALS INDOORS IF THE SMOKE BECOMES THICK IN YOUR AREA.

STAY TUNED TO NOAA WEATHER RADIO OR YOUR FAVORITE MEDIA SOURCE FOR THE LATEST WEATHER INFORMATION.

\$\$

DANIELSON



**NWS San Diego Forecast Office**

FPUS76 KSGX 212206  
NOWSGX

SHORT TERM FORECAST  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
306 PM PDT SUN OCT 21 2007

CAZ043-050-058-220000-  
SAN DIEGO COUNTY COASTAL AREAS-SAN DIEGO COUNTY MOUNTAINS-  
SAN DIEGO COUNTY VALLEYS-  
306 PM PDT SUN OCT 21 2007

.NOW...

A PLUME OF SMOKE FROM THE WITCH CREEK FIRE WILL MOVE FROM THE  
SAN DIEGO COUNTY MOUNTAINS ACROSS CENTRAL AND WESTERN SAN DIEGO  
COUNTY THROUGH 5 PM. THE FIRE IS LOCATED SOUTH OF SANTA YSABEL...AND  
THE PLUME IS EXTENDING TO THE WEST ACROSS RAMONA...POWAY...RANCHO  
BERNARDO...MIRA MESA...AND LA JOLLA. VISIBILITY MAY BE LESS THAN A  
HALF MILE IN SMOKE AT TIMES. STRONG WINDS IN EXCESS OF 35 MPH  
WILL PUSH THIS FIRE TO THE WEST.

SMOKE FROM THE HARRISON RANCH FIRE NEAR PORTERO WILL AFFECT MAINLY  
RURAL AND RANCH AREAS AS THE FIRE BURNS TO THE SOUTHWEST TOWARD  
BAJA MEXICO.

\$\$

PURPURA

FPUS76 KSGX 220022  
NOWSGX

SHORT TERM FORECAST  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
515 PM PDT SUN OCT 21 2007

CAZ043-050-058-220300-  
SAN DIEGO COUNTY COASTAL AREAS-SAN DIEGO COUNTY MOUNTAINS-  
SAN DIEGO COUNTY VALLEYS-  
515 PM PDT SUN OCT 21 2007

.NOW...  
A THICK SMOKE PLUME FROM THE WITCH CREEK FIRE EAST OF RAMONA WILL AFFECT PORTIONS OF CENTRAL AND WESTERN SAN DIEGO COUNTY THROUGH THIS EVENING. AT 500 PM THE FIRE WAS ABOUT 5 MILES EAST OF RAMONA. THE SMOKE PLUME WILL AFFECT RAMONA...POWAY...RANCHO BERNARDO...RANCHO PENASQUITOS...MIRA MESA...DEL MAR AND LA JOLLA. VISIBILITY WILL BE LESS THAN A HALF MILE IN SMOKE AT TIMES. STRONG WINDS GUSTING TO 35 MPH WILL PUSH THIS FIRE TO THE WEST.

SMOKE FROM THE HARRISON RANCH FIRE NEAR PORTERO WILL AFFECT MAINLY RURAL AND RANCH AREAS AS THE FIRE BURNS TO THE SOUTHWEST TOWARD BAJA MEXICO.  
\$\$  
LAVIS

FPUS76 KSGX 220311 CCA  
NOWSGX

SHORT TERM FORECAST  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
810 PM PDT SUN OCT 21 2007

CAZ042-043-048-050-056>058-220530-  
ORANGE COUNTY COASTAL AREAS-  
SAN DIEGO COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN DIEGO COUNTY VALLEYS-  
RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
SAN DIEGO COUNTY MOUNTAINS-  
810 PM PDT SUN OCT 21 2007

.NOW...  
AREAS OF HEAVY SMOKE FROM FIRES WILL CONTINUE THROUGH 1030 PM. THERE ARE FOUR FIRES BEING FANNED BY DRY...GUSTY SANTA ANA WINDS THIS EVENING. THEY ARE THE SANTIAGO CANYON FIRE IN THE SANTA ANA MOUNTAINS AND ORANGE COUNTY...THE WITCH CREEK FIRE NEAR RAMONA AND THE HARRIS FIRE NEAR DULZURA IN SAN DIEGO COUNTY...AND A SMALL FIRE NEAR AGUANGA NORTH OF PALOMAR MOUNTAIN IN RIVERSIDE COUNTY. THE SMOKE PLUMES FROM THESE FIRES ARE BEING DIRECTED WESTWARD OVER THE COASTS AND VALLEYS BY NORTHEAST WINDS GUSTING OVER 30 MPH AT TIMES.  
\$\$  
MACKECHNIE

FPUS76 KSGX 220533  
NOWSGX

SHORT TERM FORECAST  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
1023 PM PDT SUN OCT 21 2007

CAZ042-043-048-050-056>058-220800-  
ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN DIEGO COUNTY VALLEYS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-SAN DIEGO COUNTY MOUNTAINS-  
1023 PM PDT SUN OCT 21 2007

.NOW...  
AREAS OF HEAVY SMOKE FROM FIRES WILL CONTINUE THROUGH MIDNIGHT.  
THERE ARE FIVE FIRES BEING FANNED BY DRY...GUSTY SANTA ANA WINDS  
THIS EVENING. THEY ARE THE SANTIAGO CANYON FIRE IN THE SANTA ANA  
MOUNTAINS AND ORANGE COUNTY...THE WITCH CREEK FIRE NEAR RAMONA AND  
THE HARRIS FIRE NEAR DULZURA IN SAN DIEGO COUNTY...AND A SMALL  
FIRE NEAR AGUANGA NORTH OF PALOMAR MOUNTAIN IN RIVERSIDE COUNTY...  
AND A SMALL FIRE NEAR DEVORE. THE SMOKE PLUMES FROM THESE FIRES  
ARE BEING DIRECTED WESTWARD OVER THE COASTS AND VALLEYS BY  
NORTHEAST WINDS GUSTING OVER 30 MPH AT TIMES.  
\$\$

MACKECHNIE

FPUS76 KSGX 221024  
NOWSGX

SHORT TERM FORECAST  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
324 AM PDT MON OCT 22 2007

CAZ042-057-221300-  
ORANGE COUNTY COASTAL AREAS-SANTA ANA MOUNTAINS AND FOOTHILLS-  
324 AM PDT MON OCT 22 2007

.NOW...  
AREAS OF HEAVY SMOKE FROM THE SILVERADO CANYON FIRE WILL CONTINUE  
THROUGH 6 AM. THE SMOKE PLUME FROM THIS FIRE IS BEING DIRECTED  
WESTWARD OVER THE COASTAL PLAIN BY NORTHEAST WINDS GUSTING OVER 40  
MPH AT TIMES.  
\$\$

CAZ048-221300-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
324 AM PDT MON OCT 22 2007

.NOW...  
THREE SMALL FIRES WILL CAUSE LOCAL SMOKE THROUGH 6 AM THIS MORNING.  
THEY ARE...

THE ROCA FIRE...NEAR AGUANGA...CAUSING SMOKE IN THE TEMECULA AREA...  
A SMALL FIRE CAUSING SMOKE IN THE CHINO AREA...  
AND A SMALL FIRE CAUSING SMOKE NEAR DEVORE.

THE SMOKE PLUMES ARE BEING DRIVEN WESTWARD BY EAST TO NORTHEAST  
WINDS GUSTING OVER 40 MPH AT TIMES.  
\$\$

CAZ043-050-058-221300-  
SAN DIEGO COUNTY COASTAL AREAS-SAN DIEGO COUNTY VALLEYS-  
SAN DIEGO COUNTY MOUNTAINS-  
324 AM PDT MON OCT 22 2007

.NOW...  
AREAS OF HEAVY SMOKE FROM FIRES WILL CONTINUE THROUGH 6 AM. THERE  
ARE FOUR FIRES BEING FANNED BY DRY...GUSTY SANTA ANA WINDS THIS MORNING.  
THEY ARE...

THE WITCH CREEK FIRE BETWEEN RAMONA AND ESCONDIDO...  
A NORTHWARD EXTENSION OF THE WITCH CREEK FIRE SOUTH OF PALOMAR MOUNTAIN...  
THE SAN MARCOS FIRE...  
AND THE HARRIS FIRE BETWEEN DULZURA AND POTRERO.

THE SMOKE PLUMES FROM THESE FIRES ARE BEING DIRECTED WESTWARD OVER THE  
COASTS AND VALLEYS BY EAST TO NORTHEAST WINDS GUSTING OVER 50 MPH AT  
TIMES.  
\$\$

MACKECHNIE

## A.4 National Weather Fire Weather Forecasts

### NWS Los Angeles/Oxnard Forecast Office

FNUS56 KLOX 202202  
FWFLOX

FIRE WEATHER PLANNING FORECAST FOR SOUTHWESTERN CALIFORNIA  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
302 PM PDT SAT OCT 20 2007

...RED FLAG WARNING IN EFFECT FROM 8 AM SUNDAY TO 4 PM PDT TUESDAY  
FOR COASTAL AREAS OF VENTURA AND LOS ANGELES COUNTIES DUE TO  
STRONG NORTHEAST WINDS AND LOW RELATIVE HUMIDITY...

...RED FLAG WARNING IN EFFECT FROM 3 AM SUNDAY TO 4 PM PDT TUESDAY  
FOR THE MOUNTAINS AND VALLEYS OF VENTURA AND LOS ANGELES COUNTIES  
DUE TO STRONG NORTHEAST WINDS AND LOW RELATIVE HUMIDITY...

...FIRE WEATHER WATCH IN EFFECT FROM SUNDAY AFTERNOON THROUGH  
TUESDAY AFTERNOON FOR THE MOUNTAINS AND INTERIOR VALLEYS OF SAN  
LUIS OBISPO AND SANTA BARBARA COUNTIES DUE TO STRONG NORTHEAST  
WINDS AND LOW RELATIVE HUMIDITY...

.DISCUSSION...WITH STRONG HIGH PRESSURE BUILDING INTO THE GREAT  
BASIN...A STRONG SANTA ANA WIND EVENT IS EXPECTED FOR THE AREA  
TONIGHT THROUGH TUESDAY. THE GUSTY OFFSHORE WINDS WILL GENERALLY  
START OUT FROM THE NORTHWEST TO NORTH THIS EVENING...THEN SHIFT  
TO THE NORTHEAST LATER TONIGHT AND CONTINUE FROM THE NORTHEAST  
THROUGH TUESDAY. THROUGH THIS EVENING...THE FAVORED NORTHERLY  
WIND LOCATIONS ACROSS SANTA BARBARA...VENTURA AND LOS ANGELES  
COUNTIES WILL BE AFFECTED. OVERNIGHT TONIGHT...THE FOCUS OF THE  
MOST SIGNIFICANT WINDS WILL TRANSITION TO ALL OF VENTURA AND LOS  
ANGELES COUNTIES. SUSTAINED WINDS BETWEEN 25 AND 45 MPH WITH  
GUSTS AS HIGH AS 80 MPH ARE EXPECTED TONIGHT THROUGH TUESDAY...  
WITH THE STRONGEST WINDS THROUGH AND BELOW PASSES AND CANYONS.

THE COMBINATION OF THE STRONG WINDS...WARMING TEMPERATURES...  
AND RELATIVE HUMIDITIES FALLING INTO THE SINGLE DIGITS AND TEENS  
WILL PRODUCE CRITICAL FIRE WEATHER CONDITIONS ACROSS VENTURA AND  
MOST OF LOS ANGELES COUNTIES LATE TONIGHT THROUGH TUESDAY.  
THEREFORE...A RED FLAG WARNING REMAINS IN EFFECT FOR THESE  
AREAS.

ACROSS SANTA BARBARA AND SAN LUIS OBISPO COUNTIES...THE OFFSHORE  
WINDS WILL NOT BE QUITE AS STRONG THROUGH TUESDAY. HOWEVER...  
RELATIVE HUMIDITIES ARE EXPECTED TO FALL INTO THE TEENS AND SINGLE  
DIGITS ACROSS THE MOUNTAINS AND INTERIOR VALLEYS. AT THIS TIME...  
THERE STILL IS A DECENT AMOUNT OF UNCERTAINTY WITH REGARD TO  
REACHING CRITICAL THRESHOLDS FOR THE NECESSARY DURATION. THEREFORE  
THE FIRE WEATHER WATCH WILL REMAIN IN EFFECT FOR THE MOUNTAINS  
AND INTERIOR VALLEYS OF SAN LUIS OBISPO AND SANTA BARBARA COUNTIES  
FROM SUNDAY AFTERNOON THROUGH TUESDAY AFTERNOON. THE SITUATION WILL  
BE REEVALUATED SUNDAY MORNING FOR ANY POTENTIAL UPGRADES.

FNUS56 KLOX 211611  
FWFLOX

FIRE WEATHER PLANNING FORECAST FOR SOUTHWESTERN CALIFORNIA NATIONAL  
WEATHER SERVICE LOS ANGELES/OXNARD CA  
930 AM PDT SUN OCT 21 2007

...RED FLAG WARNING IN EFFECT UNTIL 4 PM PDT TUESDAY FOR ALL OF  
VENTURA COUNTY AND LOS ANGELES COUNTY EXCEPT FOR THE ANTELOPE  
VALLEY DUE TO STRONG NORTHEAST WINDS AND LOW RELATIVE HUMIDITY...

...RED FLAG WARNING IN EFFECT FROM 3 PM PDT THIS AFTERNOON TO  
4 PM PDT TUESDAY FOR THE MOUNTAINS AND INTERIOR VALLEYS OF  
SAN LUIS OBISPO AND SANTA BARBARA COUNTIES DUE TO STRONG  
NORTHEAST WINDS AND LOW RELATIVE HUMIDITY...

.DISCUSSION...WITH STRONG HIGH PRESSURE BUILDING INTO THE GREAT  
BASIN...STRONG SANTA ANA WINDS WILL CONTINUE ACROSS THE AREA  
THROUGH TUESDAY. SUSTAINED WINDS BETWEEN 25 AND 45 MPH WITH GUSTS  
AS HIGH AS 80 MPH ARE EXPECTED TODAY THROUGH TUESDAY ACROSS  
VENTURA AND LOS ANGELES COUNTIES...WITH THE STRONGEST WINDS  
THROUGH AND BELOW PASSES AND CANYONS. THE COMBINATION OF THE STRONG  
WINDS...WARMING TEMPERATURES...AND RELATIVE HUMIDITIES FALLING INTO  
THE SINGLE DIGITS AND TEENS WILL PRODUCE CRITICAL FIRE WEATHER  
CONDITIONS ACROSS VENTURA AND MOST OF LOS ANGELES COUNTIES THROUGH  
TUESDAY. THEREFORE...A RED FLAG WARNING REMAINS IN EFFECT FOR THESE  
AREAS.

ACROSS SANTA BARBARA AND SAN LUIS OBISPO COUNTIES...THE OFFSHORE  
WINDS WILL NOT BE QUITE AS STRONG THROUGH TUESDAY. HOWEVER...  
RELATIVE HUMIDITIES ARE EXPECTED TO FALL INTO THE TEENS AND SINGLE  
DIGITS ACROSS THE MOUNTAINS AND INTERIOR VALLEYS THIS AFTERNOON.  
THIS COMBINATION OF GUSTY CANYON WINDS AND FALLING RELATIVE  
HUMIDITY WILL PRODUCE CRITICAL FIRE WEATHER CONDITIONS ACROSS  
THE AREA. THEREFORE A RED FLAG WARNING HAS BEEN ISSUED FOR THE  
MOUNTAINS AND INTERIOR VALLEYS OF SAN LUIS OBISPO AND SANTA  
BARBARA COUNTIES.

FNUS56 KLOX 212202  
FWFLOX

FIRE WEATHER PLANNING FORECAST FOR SOUTHWESTERN CALIFORNIA  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
302 PM PDT SUN OCT 21 2007

...RED FLAG WARNING IN EFFECT UNTIL 4 PM PDT TUESDAY FOR MOST OF  
CENTRAL AND SOUTHERN CALIFORNIA FOR GUSTY NORTHEAST WINDS  
AND LOW RELATIVE HUMIDITY...

...RED FLAG WARNINGS MAY NEED TO BE EXTENDED THROUGH WEDNESDAY...

.DISCUSSION...WITH STRONG HIGH PRESSURE OVER THE GREAT BASIN...  
STRONG SANTA ANA WINDS WILL CONTINUE ACROSS THE AREA THROUGH  
TUESDAY.

ACROSS VENTURA AND LOS ANGELES COUNTIES...SUSTAINED WINDS  
BETWEEN 25 AND 45 MPH WITH GUSTS AS HIGH AS 80 MPH ARE EXPECTED  
THROUGH TUESDAY...WITH THE STRONGEST WINDS THROUGH AND BELOW  
PASSES AND CANYONS. THE WINDS WILL BE STRONGEST DURING THE NIGHT  
AND MORNING HOURS. RELATIVE HUMIDITIES HAVE FALLEN INTO THE SINGLE  
DIGITS AND TEENS...AND WILL REMAIN LOW THROUGH TUESDAY WITH POOR  
OVERNIGHT RECOVERIES. THESE CRITICAL FIRE WEATHER CONDITIONS WILL  
KEEP VENTURA AND MOST OF LOS ANGELES COUNTY UNDER A RED FLAG  
WARNING THROUGH TUESDAY.

ACROSS SANTA BARBARA AND SAN LUIS OBISPO COUNTIES...THE OFFSHORE  
WINDS WILL NOT BE QUITE AS STRONG THROUGH TUESDAY. HOWEVER...  
RELATIVE HUMIDITIES ARE EXPECTED TO FALL INTO THE TEENS AND SINGLE  
DIGITS ACROSS THE MOUNTAINS AND INTERIOR VALLEYS THIS AFTERNOON  
AND EVENING AND WILL REMAIN LOW THROUGH TUESDAY. OVERNIGHT  
RECOVERIES WILL GENERALLY BE POOR. WITH CRITICAL FIRE WEATHER  
CONDITIONS EXPECTED THROUGH TUESDAY...THE RED FLAG WARNING WILL  
REMAIN IN EFFECT FOR THE MOUNTAINS AND INTERIOR VALLEYS OF SAN  
LUIS OBISPO AND SANTA BARBARA COUNTIES THROUGH TUESDAY.

FOR TUESDAY NIGHT AND WEDNESDAY...THE OFFSHORE WINDS WILL CONTINUE  
TO WEAKEN. HOWEVER...RELATIVE HUMIDITIES WILL LIKELY REMAIN VERY  
LOW WITH LIMITED OVERNIGHT RECOVERIES. SO...THE RED FLAG WARNINGS  
MAY HAVE TO BE EXTENDED THROUGH WEDNESDAY FOR SOME AREAS.

FNUS56 KLOX 221624  
FWFLOX

FIRE WEATHER PLANNING FORECAST FOR SOUTHWESTERN CALIFORNIA  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
930 AM PDT MON OCT 22 2007

...RED FLAG WARNING IN EFFECT UNTIL 4 PM PDT TUESDAY FOR MOST OF  
CENTRAL AND SOUTHERN CALIFORNIA FOR GUSTY NORTHEAST WINDS  
AND LOW RELATIVE HUMIDITY...

...RED FLAG WARNINGS MAY NEED TO BE EXTENDED THROUGH WEDNESDAY...

.DISCUSSION...STRONG HIGH PRESSURE IS OVER THE GREAT BASIN...STRONG  
SANTA ANA WINDS WILL CONTINUE ACROSS THE AREA THROUGH TUESDAY AND  
POSSIBLY INTO WEDNESDAY.

ACROSS VENTURA AND LOS ANGELES COUNTIES...SUSTAINED WINDS BETWEEN 25  
AND 45 MPH WITH GUSTS AS HIGH AS 80 MPH ARE EXPECTED THROUGH  
TUESDAY...WITH THE STRONGEST WINDS THROUGH AND BELOW PASSES AND  
CANYONS. THE WINDS WILL BE STRONGEST DURING THE NIGHT AND MORNING  
HOURS. RELATIVE HUMIDITIES ARE IN THE TEENS AND SINGLE DIGITS AND  
WILL REMAIN LOW THROUGH TUESDAY WITH POOR OVERNIGHT RECOVERIES.  
THESE CRITICAL FIRE WEATHER CONDITIONS WILL KEEP VENTURA AND MOST OF  
LOS ANGELES COUNTY UNDER A RED FLAG WARNING THROUGH TUESDAY.

ACROSS SANTA BARBARA AND SAN LUIS OBISPO COUNTIES...THE OFFSHORE  
WINDS WILL NOT BE QUITE AS STRONG THROUGH TUESDAY. HOWEVER...  
RELATIVE HUMIDITIES ARE IN THE TEENS AND SINGLE DIGITS ACROSS THE  
MOUNTAINS AND INTERIOR VALLEYS AND WILL REMAIN LOW THROUGH TUESDAY.  
OVERNIGHT RECOVERIES WILL GENERALLY BE POOR. WITH CRITICAL FIRE  
WEATHER CONDITIONS EXPECTED THROUGH TUESDAY...THE RED FLAG WARNING  
WILL REMAIN IN EFFECT FOR THE MOUNTAINS AND INTERIOR VALLEYS OF SAN  
LUIS OBISPO AND SANTA BARBARA COUNTIES THROUGH TUESDAY.

FOR TUESDAY NIGHT AND WEDNESDAY...THE OFFSHORE WINDS WILL CONTINUE  
TO WEAKEN. HOWEVER...RELATIVE HUMIDITIES WILL LIKELY REMAIN VERY  
LOW WITH LIMITED OVERNIGHT RECOVERIES. SO...THE RED FLAG WARNINGS  
MAY HAVE TO BE EXTENDED THROUGH WEDNESDAY FOR SOME AREAS.



**NWS San Diego Forecast Office**

FNUS56 KSGX 202015  
FWFSGX

FIRE WEATHER PLANNING FORECAST FOR EXTREME SOUTHWESTERN CALIFORNIA  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
115 PM PDT SAT OCT 20 2007

...A RED FLAG WARNING REMAINS IN EFFECT FOR SUNDAY MORNING THROUGH TUESDAY AFTERNOON FOR THE FOLLOWING AREAS...ALL OF ORANGE COUNTY...THE MOUNTAINS AND INLAND EMPIRE OF SOUTHWEST SAN BERNARDINO COUNTY AND WESTERN RIVERSIDE COUNTY...THE MOUNTAINS AND COASTAL VALLEYS OF SAN DIEGO COUNTY...THE SAN BERNARDINO NATIONAL FOREST...AND THE CLEVELAND NATIONAL FOREST...DUE TO THE LIKELIHOOD OF NORTHEAST WINDS GUSTING OVER 35 MPH AND RELATIVE HUMIDITY BELOW 15 PERCENT...

...A FIRE WEATHER WATCH REMAINS IN EFFECT FOR MONDAY ALONG THE SAN DIEGO COUNTY COAST FOR THE POSSIBILITY OF EAST WINDS GUSTING OVER 35 MPH AND RELATIVE HUMIDITY BELOW 15 PERCENT...

.DISCUSSION...

GUSTY NORTHWEST WINDS OVER THE DESERT AREAS WILL DIMINISH THIS EVENING AS A TROUGH MOVES FURTHER EAST. HIGH PRESSURE BUILDING RAPIDLY AND STRONGLY OVER THE GREAT BASIN TONIGHT WILL CAUSE GUSTY NORTHEAST WINDS OVER MOUNTAINS AND COASTAL FOOTHILLS...BUT A COASTAL EDDY WILL KEEP WINDS FROM SURFACING OVER VALLEYS AND COASTAL PLAIN UNTIL MID SUNDAY MORNING. FOR SUNDAY AFTERNOON THROUGH TUESDAY...WIDESPREAD EAST TO NORTHEAST WINDS BETWEEN 20 AND 40 MPH WITH GUSTS BETWEEN 50 AND 80 MPH THROUGH CANYONS AND PASSES...HUMIDITY BELOW 10 PERCENT WITH LITTLE TO NO RECOVERY OVERNIGHT...AND VERY WARM DAYTIME TEMPERATURES ARE LIKELY. A RED FLAG WARNING REMAINS IN EFFECT FOR MOST OF THE REGION DURING THIS PERIOD. WEDNESDAY WILL CONTINUE VERY WARM AND VERY DRY. THURSDAY WILL BE A TRANSITION DAY AS ONSHORE FLOW RETURNS. LOOKING FURTHER AHEAD...A LOW PRESSURE SYSTEM IS FORECAST TO DEVELOP NEXT WEEKEND ALONG THE CALIFORNIA COAST AND MOVE INLAND ACROSS SOUTHERN CALIFORNIA. THIS SCENARIO WOULD RESULT IN COOL WET CONDITIONS FOR THE LAST FEW DAYS OF OCTOBER.

FNUS56 KSGX 210951  
FWFSGX

FIRE WEATHER PLANNING FORECAST FOR EXTREME SOUTHWESTERN CALIFORNIA  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
330 AM PDT SUN OCT 21 2007

...RED FLAG WARNING FOR THIS MORNING THROUGH TUESDAY AFTERNOON FOR  
ALL OF EXTREME SOUTHWESTERN CALIFORNIA EXCEPT THE DESERTS FOR WINDS  
GUSTING OVER 35 MPH AND RELATIVE HUMIDITIES BELOW 15 PERCENT...

.DISCUSSION...

BUILDING HIGH PRESSURE ALOFT OVER CALIFORNIA AND SURFACE HIGH  
PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA  
ANA CONDITIONS THROUGH TUESDAY WITH EXPLOSIVE FIRE GROWTH POTENTIAL  
THAT WILL EXTEND NEARLY TO THE COAST. CONTINUED VERY DRY FOR  
WEDNESDAY AND THURSDAY WITH WEAKER OFFSHORE WINDS AND SLOW COOLING  
THURSDAY. A WEAK TROUGH OF LOW PRESSURE IN THE VICINITY OF THE  
CALIFORNIA COAST SHOULD BRING SOME ADDITIONAL COOLING AND MOISTENING  
FOR NEXT WEEKEND.

FNUS56 KSGX 212017  
FWFSGX

FIRE WEATHER PLANNING FORECAST FOR EXTREME SOUTHWESTERN CALIFORNIA  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
130 PM PDT SUN OCT 21 2007

...A RED FLAG WARNING REMAINS IN EFFECT FOR ALL OF EXTREME  
SOUTHWESTERN CALIFORNIA...EXCEPT FOR THE DESERTS...THROUGH TUESDAY  
AFTERNOON FOR WINDS GUSTING OVER 35 MPH AND RELATIVE HUMIDITIES  
BELOW 15 PERCENT...

.DISCUSSION...

HIGH PRESSURE ALOFT BUILDING INTO CALIFORNIA AND SURFACE HIGH  
PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA  
ANA CONDITIONS THROUGH TUESDAY WITH EXPLOSIVE FIRE GROWTH POTENTIAL  
EXTENDING TO THE COAST. THE RED FLAG WARNING CONTINUES THROUGH  
TUESDAY AFTERNOON. THE WARNING MAY BE EXTENDED THROUGH WEDNESDAY IN  
LATER FORECASTS. SLOW COOLING WILL BEGIN THURSDAY. A WEAK TROUGH OF  
LOW PRESSURE IN THE VICINITY OF THE CALIFORNIA COAST SHOULD BRING  
SOME ADDITIONAL COOLING AND MOISTENING FOR NEXT WEEKEND.

FNUS56 KSGX 221013  
FWFSGX

FIRE WEATHER PLANNING FORECAST FOR EXTREME SOUTHWESTERN CALIFORNIA  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
330 AM PDT MON OCT 22 2007

...A RED FLAG WARNING REMAINS IN EFFECT FOR ALL OF EXTREME  
SOUTHWESTERN CALIFORNIA...EXCEPT FOR THE DESERTS...THROUGH TUESDAY  
AFTERNOON FOR WINDS GUSTING OVER 35 MPH AND RELATIVE HUMIDITIES  
BELOW 15 PERCENT...

.DISCUSSION...

HIGH PRESSURE ALOFT OFF THE CALIFORNIA COAST AND AND SURFACE HIGH  
PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA  
ANA CONDITIONS THROUGH TUESDAY WITH EXPLOSIVE FIRE GROWTH POTENTIAL  
EXTENDING TO THE COAST. THE RED FLAG WARNING CONTINUES THROUGH  
TUESDAY AFTERNOON. THE WARNING MAY BE EXTENDED THROUGH WEDNESDAY IN  
LATER FORECASTS FOR CONTINUED VERY LOW HUMIDITIES. SLOW COOLING WILL  
BEGIN THURSDAY. A WEAK TROUGH OF LOW PRESSURE IN THE VICINITY OF THE  
CALIFORNIA COAST SHOULD BRING SOME ADDITIONAL COOLING AND MOISTENING  
FOR THE WEEKEND.

## A.5 National Weather Non-Precipitation Warnings (Wind Advisories)

### NWS Los Angeles/Oxnard Forecast Office

WWUS76 KLOX 210126  
NPWLOX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
626 PM PDT SAT OCT 20 2007

...STRONG AND POSSIBLY DAMAGING WINDS FOR PORTIONS OF SOUTHERN CALIFORNIA THROUGH TUESDAY...

STRONG WEST TO NORTHWEST WINDS WILL AFFECT THE MOUNTAINS AND ANTELOPE VALLEY WITH WINDS UP TO 60 MPH POSSIBLE. IN SOUTHERN SANTA BARBARA COUNTY NORTHWEST WINDS WILL CONTINUE TO BE STRONG THROUGH TONIGHT BELOW PASSES AND CANYONS WITH GUSTS UP TO 70 MPH. WINDS WILL SHIFT TO NORTHEAST TONIGHT AND SUNDAY AND CONTINUE THROUGH TUESDAY. AS THIS HAPPENS WINDS OVER THE ANTELOPE VALLEY AND MOST OF SOUTHERN SANTA BARBARA COUNTY WILL DIMINISH BUT STILL BE GUSTY AT TIMES. HOWEVER...IN VENTURA AND LOS ANGELES COUNTIES NORTHEAST WINDS WILL BE INCREASING WITH GUSTS UP TO 70 MPH POSSIBLE THROUGH AND BELOW THE FAVORED PASSES AND CANYONS.

WINDS WILL DIMINISH SLIGHTLY EARLY SUNDAY EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE SUNDAY NIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

CAZ052-210730-  
/O.UPG.KLOX.WI.Y.0126.000000T0000Z-071021T1000Z/  
/O.EXA.KLOX.HW.W.0013.000000T0000Z-071021T1000Z/  
SANTA BARBARA COUNTY MOUNTAINS-  
626 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING IN EFFECT UNTIL 3 AM PDT SUNDAY...

THE NATIONAL WEATHER SERVICE IN LOS ANGELES/OXNARD HAS ISSUED A HIGH WIND WARNING...WHICH IS IN EFFECT UNTIL 3 AM PDT SUNDAY. THE WIND ADVISORY IS NO LONGER IN EFFECT.

NORTHWEST TO NORTH WINDS 25 TO 40 MPH WITH GUSTS TO AROUND 70 MPH WILL CONTINUE THROUGH THIS EVENING...THEN SHIFT TO THE NORTHEAST AND WEAKEN LATER TONIGHT. THE STRONGEST WINDS WILL BE THROUGH GAVIOTA PASS AND IN AND AROUND THE HILLS ABOVE MONTECITO AND CARPINTERIA. MAJOR HIGHWAYS THAT WILL BE AFFECTED BY THE WINDS INCLUDE HIGHWAYS 101 THROUGH GAVIOTA PASS...AND HIGHWAY 154 THROUGH SAN MARCOS PASS.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ039-210730-  
/O.UPG.KLOX.WI.Y.0126.000000T0000Z-071021T1000Z/  
/O.EXA.KLOX.HW.W.0013.000000T0000Z-071021T1000Z/  
SANTA BARBARA COUNTY SOUTH COAST-

626 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING IN EFFECT UNTIL 3 AM PDT SUNDAY...

THE NATIONAL WEATHER SERVICE IN LOS ANGELES/OXNARD HAS ISSUED A HIGH WIND WARNING...WHICH IS IN EFFECT UNTIL 3 AM PDT SUNDAY. THE WIND ADVISORY IS NO LONGER IN EFFECT.

NORTHWEST TO NORTH WINDS 25 TO 40 MPH WITH GUSTS TO AROUND 60 MPH WILL CONTINUE THROUGH THIS EVENING...THEN SHIFT TO THE NORTHEAST AND WEAKEN LATER TONIGHT. THE STRONGEST WINDS WILL BE BELOW GAVIOTA PASS AND IN THE MONTECITO AND CARPINTERIA AREA. MAJOR HIGHWAYS THAT WILL BE AFFECTED BY THE WINDS INCLUDE HIGHWAYS 101 ALONG THE SANTA BARBARA COUNTY SOUTH COAST AND BELOW GAVIOTA PASS...AND HIGHWAY 154 BELOW SAN MARCOS PASS.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ053-054-210730-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY MOUNTAINS-  
LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE-  
626 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

NORTHWEST WINDS BETWEEN 25 AND 45 MPH WITH LOCAL GUSTS TO 60 MPH ARE EXPECTED THROUGH THIS EVENING...WITH THE STRONGEST WINDS THROUGH THE INTERSTATE 5 CORRIDOR.

THE WINDS WILL SHIFT TO THE NORTHEAST LATE TONIGHT AND CONTINUE THROUGH TUESDAY WITH BRIEF PERIODS IN THE AFTERNOON AND EARLY EVENING WHERE WINDS DIMINISH SLIGHTLY. THERE IS THE POTENTIAL FOR NORTHEAST WINDS OF 40 TO 50 MPH WITH DAMAGING WIND GUSTS AS HIGH AS 80 MPH THROUGH PASSES AND CANYONS...ESPECIALLY MONDAY MORNING INTO EARLY AFTERNOON.

\$\$

CAZ046-210730-  
/O.CON.KLOX.HW.W.0013.071021T1000Z-071023T2200Z/  
SANTA MONICA MOUNTAINS RECREATIONAL AREA-  
626 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 3 PM PDT TUESDAY.

GUSTY NORTHEAST WINDS WILL DEVELOP LATER TONIGHT WITH WINDS BETWEEN 25 AND 40 MPH BELOW THE USUAL NORTHEAST WIND PRONE PASSES AND CANYONS...THEN INCREASE AROUND SUNRISE SUNDAY WITH WIND GUSTS AS HIGH AS 70 MPH.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR

OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ059-210730-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071021T1000Z/  
ANTELOPE VALLEY-  
626 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY.

WEST WINDS 25 TO 40 MPH WITH GUSTS TO 60 MPH ARE EXPECTED THIS EVENING THROUGH THE EARLY MORNING HOURS SUNDAY. AREAS OF BLOWING DUST AND SAND ARE LIKELY WITH VISIBILITIES DROPPING TO NEAR ZERO AT TIMES.

PEOPLE TRAVELING THROUGH THE ANTELOPE VALLEY...INCLUDING HIGHWAYS 14 AND 138...SHOULD EXERCISE EXTREME CAUTION.

\$\$

CAZ040-041-210730-  
/O.CON.KLOX.HW.W.0013.071021T1000Z-071023T2200Z/  
VENTURA COUNTY COAST-  
LOS ANGELES COUNTY COAST INCLUDING DOWNTOWN LOS ANGELES-  
626 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS ARE EXPECTED TO DEVELOP LATER TONIGHT AND SUNDAY. THE AREAS MOST IMPACTED WILL INCLUDE MUCH OF THE VENTURA COUNTY COASTAL PLAIN...THE HOLLYWOOD HILLS...AND BELOW PASSES AND CANYONS FROM PACIFIC PALISADES TO MALIBU. NORTHEAST WINDS BETWEEN 25 TO 35 MPH ARE EXPECTED BY SUNDAY MORNING...WITH WIND GUSTS AS HIGH AS 60 MPH BY LATE MORNING OR EARLY AFTERNOON.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ044-045-047-088-210730-  
/O.CON.KLOX.HW.W.0013.071021T1000Z-071023T2200Z/  
VENTURA COUNTY INTERIOR VALLEYS-VENTURA COUNTY COASTAL VALLEYS-  
LOS ANGELES COUNTY VALLEYS-SANTA CLARITA VALLEY-  
626 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 3 PM PDT TUESDAY.

GUSTY NORTHEAST WINDS WILL DEVELOP LATER TONIGHT WITH WINDS BETWEEN

25 AND 35 MPH BELOW THE USUAL NORTHEAST WIND PRONE PASSES AND CANYONS...THEN INCREASE AROUND SUNRISE SUNDAY WITH WIND GUSTS AS HIGH AS 70 MPH.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

SIRARD

WWUS76 KLOX 210730  
NPWLOX  
URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
1230 AM PDT SUN OCT 21 2007

...STRONG AND POSSIBLY DAMAGING WINDS FOR PORTIONS OF SOUTHERN CALIFORNIA THROUGH TUESDAY...

STRONG NORTH TO NORTHEAST WINDS WILL CONTINUE ACROSS MUCH OF THE VENTURA AND LOS ANGELES COUNTY MOUNTAINS OVERNIGHT...AND BECOME NORTHEAST BY THIS MORNING. AS WINDS BECOME MORE ORTHEASTERLY...WINDS SHOULD BEGIN TO DIMINISH SOME ACROSS THE SANTA BARBARA COUNTY MOUNTAINS AND SANTA BARBARA SOUTH COAST AS WELL AS THE ANTELOPE VALLEY. HOWEVER...WITH WINDS SHIFTING TO THE NORTHEAST...ALL OF LOS ANGELES AND VENTURA COUNTIES WILL EXPERIENCE STRONG AND DANGEROUS NORTHEAST WINDS WITH DAMAGING GUSTS TO 80 MPH...WITH SOME ISOLATED GUSTS TO 100 MPH ACROSS THE LOS ANGELES AND VENTURA COUNTY MOUNTAINS POSSIBLE. THESE STRONG WINDS CONTINUE THROUGH TUESDAY. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

CAZ046-211330-  
/O.EXT.KLOX.HW.W.0013.071021T0730Z-071023T2200Z/  
SANTA MONICA MOUNTAINS RECREATIONAL AREA-  
1230 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING NOW IN EFFECT UNTIL 3 PM PDT TUESDAY...

THE HIGH WIND WARNING IS NOW IN EFFECT UNTIL 3 PM PDT TUESDAY.

GUSTY NORTHEAST WINDS WILL CONTINUE OVERNIGHT WITH WINDS BETWEEN 25 AND 40 MPH BELOW THE USUAL NORTHEAST WIND PRONE PASSES AND CANYONS...THEN INCREASE AROUND SUNRISE THIS MORNING WITH WIND GUSTS AS HIGH AS 70 MPH. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ040-041-211330-  
/O.EXT.KLOX.HW.W.0013.071021T0730Z-071023T2200Z/  
VENTURA COUNTY COAST-  
LOS ANGELES COUNTY COAST INCLUDING DOWNTOWN LOS ANGELES-  
1230 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING NOW IN EFFECT UNTIL 3 PM PDT TUESDAY...

THE HIGH WIND WARNING IS NOW IN EFFECT UNTIL 3 PM PDT TUESDAY. DANGEROUS NORTH TO NORTHEAST WINDS CONTINUE OVERNIGHT THROUGH TUESDAY. THE AREAS MOST IMPACTED WILL INCLUDE MUCH OF THE VENTURA COUNTY COASTAL PLAIN...THE HOLLYWOOD HILLS...AND BELOW PASSES AND CANYONS FROM PACIFIC PALISADES TO MALIBU. NORTHEAST WINDS BETWEEN 30 TO 40 MPH WILL CONTINUE THROUGH TUESDAY AFTERNOON...WITH WIND GUSTS AS HIGH AS 60 MPH POSSIBLE. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY



MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ044-045-047-088-211330-  
/O.EXT.KLOX.HW.W.0013.071021T0730Z-071023T2200Z/  
VENTURA COUNTY INTERIOR VALLEYS-VENTURA COUNTY COASTAL VALLEYS-  
LOS ANGELES COUNTY VALLEYS-SANTA CLARITA VALLEY-  
1230 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING NOW IN EFFECT UNTIL 3 PM PDT TUESDAY...

THE HIGH WIND WARNING IS NOW IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS 25 TO 35 MPH WITH LOCAL GUSTS TO 60 MPH BELOW THE USUAL NORTHEAST WIND PRONE PASSES AND CANYONS WILL STRENGTHEN OVERNIGHT TO 30 TO 45 MPH WITH GUSTS AS HIGH AS 70 MPH. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ053-054-211330-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY MOUNTAINS-  
LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE-  
1230 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS BETWEEN 35 TO 50 MPH WITH DAMAGING GUSTS TO 80 MPH WILL CONTINUE THROUGH TUESDAY. THERE WILL BE SOME ISOLATED GUSTS AS HIGH AS 100 MPH POSSIBLE. A GUST TO 108 MPH HAS ALREADY OCCURRED EARLIER THIS EVENING AT WHITAKER PEAK. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

\$\$

CAZ059-211000-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071021T1000Z/  
ANTELOPE VALLEY-  
1230 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY.

WEST WINDS 25 TO 40 MPH WITH GUSTS TO 60 MPH ARE EXPECTED TO CONTINUE THROUGH THE EARLY MORNING HOURS...THEN DIMINISH BELOW

HIGH WIND WARNING THRESHOLDS AS WINDS WILL HAVE SHIFTED OUT OF THE NORTHEAST. AREAS OF BLOWING DUST AND SAND ARE LIKELY WITH VISIBILITIES DROPPING TO NEAR ZERO AT TIMES.

PEOPLE TRAVELING THROUGH THE ANTELOPE VALLEY...INCLUDING HIGHWAYS 14 AND 138...SHOULD EXERCISE EXTREME CAUTION.

\$\$

CAZ039-211000-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071021T1000Z/  
SANTA BARBARA COUNTY SOUTH COAST-  
1230 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY.

NORTH TO NORTHEAST WINDS 25 TO 40 MPH WITH GUSTS TO AROUND 60 MPH WILL CONTINUE THROUGH THIS THE EARLY MORNING HOURS...THEN DIMINISH BELOW HIGH WIND WARNING CRITERIA. THE STRONGEST WINDS WILL BE BELOW GAVIOTA PASS AND IN THE MONTECITO AND CARPINTERIA AREAS. MAJOR HIGHWAYS THAT WILL BE AFFECTED BY THE WINDS INCLUDE HIGHWAYS 101 ALONG THE SANTA BARBARA COUNTY SOUTH COAST AND BELOW GAVIOTA PASS...AND HIGHWAY 154 BELOW SAN MARCOS PASS.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ052-211000-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071021T1000Z/  
SANTA BARBARA COUNTY MOUNTAINS-  
1230 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 AM PDT SUNDAY.

NORTH TO NORTHEAST WINDS 25 TO 40 MPH WITH GUSTS TO AROUND 60 MPH WILL CONTINUE THROUGH THE EARLY MORNING HOURS...THEN WEAKEN A BIT BELOW HIGH WIND WARNING THRESHOLDS. STRONGEST WINDS WILL BE THROUGH GAVIOTA PASS AND IN AND AROUND THE HILLS ABOVE MONTECITO AND CARPINTERIA. MAJOR HIGHWAYS THAT WILL BE AFFECTED BY THE WINDS INCLUDE HIGHWAYS 101 THROUGH GAVIOTA PASS...AND HIGHWAY 154 THROUGH SAN MARCOS PASS.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

KAPLAN/ASR

WWUS76 KLOX 210959  
NPWLOX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
259 AM PDT SUN OCT 21 2007

...STRONG DAMAGING WINDS EXPECTED FOR PORTIONS OF SOUTHERN  
CALIFORNIA THROUGH TUESDAY...

STRONG NORTH TO NORTHEAST WINDS WILL CONTINUE TO AFFECT MOST OF  
LOS ANGELES AND VENTURA COUNTIES TODAY AND CONTINUE THROUGH  
TUESDAY. THE SANTA BARBARA COUNTY MOUNTAINS AND SOUTH COAST WILL  
CONTINUE TO HAVE DAMAGING WIND GUSTS TO 70 MPH THIS MORNING...BUT  
SHOULD DIMINISH TO BELOW HIGH WIND WARNING CRITERIA BY MID MORNING  
AS WINDS BECOME NORTHEAST OVER THE REGION. WINDS IN THE ANTELOPE  
VALLEY HAVE LOWERED TO BELOW HIGH WIND WARNING CRITERIA...BUT  
A WIND ADVISORY REMAINS IN EFFECT THROUGH THIS AFTERNOON. WITH WINDS  
SHIFTING TO THE NORTHEAST...MANY LOCATIONS IN LOS ANGELES AND  
VENTURA COUNTIES WILL EXPERIENCE STRONG AND DAMAGING WINDS.  
THE STRONGEST WINDS ARE EXPECTED TO OCCUR IN THE MOUNTAINS...WHERE  
WIND GUSTS TO 80 MPH WILL BE COMMON...AND ISOLATED GUSTS TO 100 MPH  
WILL BE POSSIBLE. WHILE THE STRONG DAMAGING WINDS ARE LIKELY TO CONTINUE  
ACROSS PORTIONS OF THE WARNING AREA THROUGH TUESDAY...THERE WILL BE  
BRIEF LULLS IN INTENSITY DURING THE LATE AFTERNOON AND EARLY EVENING  
HOURS EACH DAY.

CAZ059-211700-  
/O.CAN.KLOX.HW.W.0013.000000T0000Z-071021T1000Z/  
/O.NEW.KLOX.WI.Y.0127.071021T0959Z-071022T0100Z/  
ANTELOPE VALLEY-  
259 AM PDT SUN OCT 21 2007

...WIND ADVISORY IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...  
...HIGH WIND WARNING IS CANCELLED...

THE NATIONAL WEATHER SERVICE IN LOS ANGELES/OXNARD HAS ISSUED A WIND  
ADVISORY...WHICH IS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON. THE  
HIGH WIND WARNING HAS BEEN CANCELLED.

NORTHWEST TO NORTH WINDS WILL WILL SHIFT TO THE NORTHEAST THIS  
MORNING. WINDS WILL CONTINUE TO BE GUSTY 25 TO 35 MPH WITH GUSTS  
TO 55 MPH. AREAS OF BLOWING DUST AND SAND WILL BE POSSIBLE WITH  
VISIBILITIES DROPPING TO NEAR ZERO AT TIMES. WINDS SHOULD BEGIN TO  
DIMINISH SOME THIS EVENING.

PEOPLE TRAVELING THROUGH THE ANTELOPE VALLEY...INCLUDING HIGHWAYS  
14 AND 138...SHOULD EXERCISE EXTREME CAUTION.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH OR GREATER ARE EXPECTED.  
WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

CAZ039-211700-  
/O.EXT.KLOX.HW.W.0013.000000T0000Z-071021T1700Z/  
SANTA BARBARA COUNTY SOUTH COAST-  
259 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING NOW IN EFFECT UNTIL 10 AM PDT THIS MORNING...

THE HIGH WIND WARNING IS NOW IN EFFECT UNTIL 10 AM PDT THIS MORNING.

NORTH TO NORTHEAST WINDS WILL CONTINUE TO REMAIN STRONG THROUGH MID MORNING. MONTECITO HILLS CONTINUES TO RECEIVE WIND GUSTS OVER 70 MPH THIS MORNING. THEREFORE THE HIGH WIND WARNING HAS BEEN EXTENDED UNTIL 10 AM TODAY. EXPECT NORTH TO NORTHEAST WINDS BETWEEN 25 TO 40 MPH WITH GUSTS TO AROUND 70 MPH TO CONTINUE THROUGH MID MORNING...THEN DIMINISH BELOW HIGH WIND WARNING CRITERIA. THE STRONGEST WINDS WILL CONTINUE TO BE FOCUSED BELOW NORTHEAST FACING PASSES AND CANYONS...SUCH AS THE MONTECITO AND CARPINTERIA AREAS. MAJOR HIGHWAYS THAT WILL BE AFFECTED BY THE WINDS INCLUDE HIGHWAY 101...AND HIGHWAY 154 BELOW SAN MARCOS PASS.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ052-211700-  
/O.EXT.KLOX.HW.W.0013.000000T0000Z-071021T1700Z/  
SANTA BARBARA COUNTY MOUNTAINS-  
259 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING NOW IN EFFECT UNTIL 10 AM PDT THIS MORNING...

THE HIGH WIND WARNING IS NOW IN EFFECT UNTIL 10 AM PDT THIS MORNING.

NORTH TO NORTHEAST WINDS WILL CONTINUE TO REMAIN STRONG THROUGH MID MORNING. MONTECITO HILLS CONTINUES TO RECEIVE WIND GUSTS OVER 70 MPH THIS MORNING. THEREFORE THE HIGH WIND WARNING HAS BEEN EXTENDED UNTIL 10 AM TODAY. EXPECT NORTH TO NORTHEAST WINDS BETWEEN 25 TO 40 MPH WITH GUSTS TO AROUND 70 MPH TO CONTINUE THROUGH MID MORNING...THEN DIMINISH BELOW HIGH WIND WARNING CRITERIA. THE STRONGEST WINDS WILL BE FOCUSED THROUGH NORTHEAST FACING PASSES AND CANYONS...SUCH AS THE HILLS ABOVE MONTECITO AND CARPINTERIA. MAJOR HIGHWAYS THAT WILL BE AFFECTED BY THE WINDS INCLUDE HIGHWAY 101...AND HIGHWAY 154 THROUGH SAN MARCOS PASS.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ053-054-211700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY MOUNTAINS-  
LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE-  
259 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS BETWEEN 35 TO 50 MPH WITH DAMAGING WIND GUSTS TO 80 MPH WILL CONTINUE THROUGH TUESDAY. THERE WILL BE SOME ISOLATED WIND GUSTS AS HIGH AS 100 MPH POSSIBLE. A GUST TO 108 MPH HAS ALREADY OCCURRED EARLIER THIS EVENING AT WHITAKER PEAK. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY

MONDAY AFTERNOON... AND AGAIN MONDAY NIGHT INTO TUESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 45 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ046-211700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
SANTA MONICA MOUNTAINS RECREATIONAL AREA-  
259 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

TODAY...STRONG NORTH TO NORTHEAST WINDS OF 30 TO 50 MPH WITH DAMAGING WIND GUSTS AS HIGH AS 80 MPH CAN BE EXPECTED THROUGH PASSES AND CANYONS. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING... BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 45 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ040-041-211700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY COAST-  
LOS ANGELES COUNTY COAST INCLUDING DOWNTOWN LOS ANGELES-  
259 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS CONTINUE TODAY THROUGH TUESDAY. THE AREAS MOST IMPACTED WILL INCLUDE MUCH OF THE VENTURA COUNTY COASTAL PLAIN...THE HOLLYWOOD HILLS...AND BELOW PASSES AND CANYONS FROM PACIFIC PALISADES TO MALIBU. NORTHEAST WINDS BETWEEN 30 TO 40 MPH WILL CONTINUE AT TIMES THROUGH TUESDAY AFTERNOON...WITH DAMAGING WIND GUSTS AS HIGH AS 60 MPH LIKELY. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ044-045-047-088-211700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY INTERIOR VALLEYS-VENTURA COUNTY COASTAL VALLEYS-  
LOS ANGELES COUNTY VALLEYS-SANTA CLARITA VALLEY-  
259 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS 30 TO 45 MPH WITH LOCAL DAMAGING WIND GUSTS TO 70 MPH CAN BE EXPECTED TODAY BELOW THE FAVORED NORTHEAST PASSES AND CANYONS. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

KAPLAN

WWUS76 KLOX 211705  
NPWLOX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
1005 AM PDT SUN OCT 21 2007

...STRONG DAMAGING WINDS EXPECTED FOR PORTIONS OF SOUTHERN  
CALIFORNIA THROUGH TUESDAY...

STRONG NORTH TO NORTHEAST WINDS WILL CONTINUE TO AFFECT MOST OF LOS ANGELES AND VENTURA COUNTIES TODAY AND CONTINUE THROUGH TUESDAY. GUSTY WINDS WILL CONTINUE OVER THE EXTREME EASTERN END OF SANTA BARBARA COUNTY NEAR THE MONTECITO AREA...AS WELL AS THE ANTELOPE VALLEY. MANY LOCATIONS IN LOS ANGELES AND VENTURA COUNTIES WILL EXPERIENCE STRONG AND DAMAGING WINDS. THE STRONGEST WINDS ARE EXPECTED TO OCCUR IN THE MOUNTAINS...WHERE WIND GUSTS TO 80 MPH WILL BE COMMON...AND ISOLATED GUSTS TO 100 MPH WILL BE POSSIBLE. WHILE THE STRONG DAMAGING WINDS ARE LIKELY TO CONTINUE ACROSS PORTIONS OF THE WARNING AREA THROUGH TUESDAY...THERE WILL BE BRIEF LULLS IN INTENSITY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS EACH DAY.

CAZ039-052-211815-  
/O.EXP.KLOX.HW.W.0013.000000T0000Z-071021T1700Z/  
SANTA BARBARA COUNTY SOUTH COAST-SANTA BARBARA COUNTY MOUNTAINS-  
1005 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING HAS EXPIRED...

THE HIGH WIND WARNING IS NO LONGER IN EFFECT.

GUSTY NORTHEAST WINDS WILL CONTINUE NEAR THE MONTECITO AREA WITH WINDS UP TO 40 MPH AT TIMES.

\$\$

CAZ053-054-220115-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY MOUNTAINS-  
LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE-  
1005 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS BETWEEN 35 TO 50 MPH WITH DAMAGING WIND GUSTS TO 80 MPH WILL CONTINUE THROUGH TUESDAY. THERE WILL BE SOME ISOLATED WIND GUSTS AS HIGH AS 100 MPH POSSIBLE. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON... AND AGAIN MONDAY NIGHT INTO TUESDAY.

\$\$

CAZ046-220115-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
SANTA MONICA MOUNTAINS RECREATIONAL AREA-  
1005 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS OF 30 TO 50 MPH WITH DAMAGING WIND GUSTS AS HIGH AS 80 MPH CAN BE EXPECTED THROUGH PASSES AND CANYONS. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING... BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

\$\$

CAZ040-041-220115-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY COAST-  
LOS ANGELES COUNTY COAST INCLUDING DOWNTOWN LOS ANGELES-  
1005 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS CONTINUE TODAY THROUGH TUESDAY. THE AREAS MOST IMPACTED WILL INCLUDE MUCH OF THE VENTURA COUNTY COASTAL PLAIN...THE HOLLYWOOD HILLS...AND BELOW PASSES AND CANYONS FROM PACIFIC PALISADES TO MALIBU. NORTHEAST WINDS BETWEEN 30 TO 40 MPH WILL CONTINUE AT TIMES THROUGH TUESDAY AFTERNOON...WITH DAMAGING WIND GUSTS AS HIGH AS 60 MPH LIKELY. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

\$\$

CAZ044-045-047-088-220115-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY INTERIOR VALLEYS-VENTURA COUNTY COASTAL VALLEYS-  
LOS ANGELES COUNTY VALLEYS-SANTA CLARITA VALLEY-  
1005 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS 30 TO 45 MPH WITH LOCAL DAMAGING WIND GUSTS TO 70 MPH CAN BE EXPECTED TODAY BELOW THE FAVORED NORTHEAST PASSES AND CANYONS. WINDS WILL DIMINISH SLIGHTLY EARLY THIS EVENING...BUT ARE EXPECTED TO STRENGTHEN ONCE AGAIN LATE TONIGHT THROUGH EARLY MONDAY AFTERNOON...AND AGAIN MONDAY NIGHT INTO TUESDAY.

\$\$

CAZ059-220100-  
/O.CON.KLOX.WI.Y.0127.000000T0000Z-071022T0100Z/  
ANTELOPE VALLEY-  
1005 AM PDT SUN OCT 21 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.



NORTHEAST WINDS 25 TO 35 MPH WILL DEVELOP LATER THIS MORNING WITH GUSTS AS HIGH AS 55 MPH THIS AFTERNOON. AREAS OF BLOWING DUST AND SAND WILL BE POSSIBLE WITH VISIBILITIES DROPPING TO NEAR ZERO AT TIMES. WINDS SHOULD BEGIN TO DIMINISH SOME THIS EVENING.

PEOPLE TRAVELING THROUGH THE ANTELOPE VALLEY...INCLUDING HIGHWAYS 14 AND 138...SHOULD EXERCISE EXTREME CAUTION.

\$\$

WOFFORD

WWUS76 KLOX 220051  
NPWLOX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
551 PM PDT SUN OCT 21 2007

...STRONG DAMAGING WINDS EXPECTED FOR PORTIONS OF SOUTHERN  
CALIFORNIA THROUGH TUESDAY...

STRONG AND DAMAGING NORTHEAST WINDS WILL CONTINUE TO AFFECT  
MOST OF LOS ANGELES AND VENTURA COUNTIES THROUGH TUESDAY. THE  
STRONGEST WINDS ARE EXPECTED TO OCCUR IN THE MOUNTAINS...WHERE  
WIND GUSTS TO 80 MPH WILL BE COMMON...AND ISOLATED GUSTS OVER 90  
MPH WILL BE POSSIBLE. WHILE THE STRONG DAMAGING WINDS ARE LIKELY  
TO CONTINUE ACROSS PORTIONS OF THE WARNING AREA THROUGH  
TUESDAY...THERE WILL BE BRIEF LULLS IN INTENSITY DURING THE LATE  
AFTERNOON AND EARLY EVENING HOURS EACH DAY.

CAZ059-220200-  
/O.CAN.KLOX.WI.Y.0127.000000T0000Z-071022T0100Z/  
ANTELOPE VALLEY-  
551 PM PDT SUN OCT 21 2007

...WIND ADVISORY IS CANCELLED...

THE NATIONAL WEATHER SERVICE IN LOS ANGELES/OXNARD HAS CANCELLED THE  
WIND ADVISORY.

WHILE THE GUSTY WINDS ARE EXPECTED TO SLOWLY SUBSIDE TONIGHT...THERE  
WILL STILL BE AREAS OF NORTHEAST WINDS 20 TO 30 MPH THROUGH THE  
EARLY EVENING HOURS.

\$\$

CAZ053-054-220700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY MOUNTAINS-  
LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE-  
551 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS BETWEEN 35 TO 50 MPH WITH DAMAGING  
WIND GUSTS TO 80 MPH WILL CONTINUE THROUGH TUESDAY. THERE WILL BE  
ISOLATED WIND GUSTS AS HIGH AS 90 MPH POSSIBLE. WINDS ARE EXPECTED  
TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING  
HOURS...BUT ARE EXPECTED TO RE-INTENSIFY DURING THE OVERNIGHT  
THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ046-220700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
SANTA MONICA MOUNTAINS RECREATIONAL AREA-  
551 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS OF 30 TO 50 MPH WITH DAMAGING WIND GUSTS AS HIGH AS 80 MPH CAN BE EXPECTED THROUGH PASSES AND CANYONS. WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ040-041-220700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY COAST-  
LOS ANGELES COUNTY COAST INCLUDING DOWNTOWN LOS ANGELES-  
551 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS CONTINUE THROUGH TUESDAY. THE AREAS MOST IMPACTED WILL INCLUDE MUCH OF THE VENTURA COUNTY COASTAL PLAIN...THE HOLLYWOOD HILLS...AND BELOW PASSES AND CANYONS FROM PACIFIC PALISADES TO MALIBU. NORTHEAST WINDS BETWEEN 30 TO 40 MPH WILL CONTINUE AT TIMES THROUGH TUESDAY AFTERNOON...WITH DAMAGING WIND GUSTS AS HIGH AS 60 MPH LIKELY. WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ044-045-047-088-220700-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY INTERIOR VALLEYS-VENTURA COUNTY COASTAL VALLEYS-  
LOS ANGELES COUNTY VALLEYS-SANTA CLARITA VALLEY-  
551 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS 30 TO 45 MPH WITH LOCAL DAMAGING WIND GUSTS TO 70 MPH CAN BE EXPECTED BELOW THE FAVORED NORTHEAST PASSES AND CANYONS. WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

DMG/ASR

WUS76 KLOX 220643  
NPWLOX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
1143 PM PDT SUN OCT 21 2007

...STRONG DAMAGING WINDS EXPECTED FOR PORTIONS OF SOUTHERN  
CALIFORNIA THROUGH TUESDAY...

STRONG AND DAMAGING NORTHEAST WINDS WILL CONTINUE TO AFFECT MOST OF  
LOS ANGELES AND VENTURA COUNTIES THROUGH TUESDAY. THE STRONGEST  
WINDS ARE EXPECTED TO OCCUR IN THE MOUNTAINS...WHERE WIND GUSTS TO  
80 MPH WILL BE COMMON...AND ISOLATED GUSTS OVER 90 MPH WILL BE  
POSSIBLE. WHILE THE STRONG DAMAGING WINDS ARE LIKELY TO CONTINUE  
ACROSS PORTIONS OF THE WARNING AREA THROUGH TUESDAY...THERE WILL BE  
BRIEF LULLS IN INTENSITY DURING THE LATE AFTERNOON AND EARLY EVENING  
HOURS EACH DAY.

CAZ053-054-221245-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY MOUNTAINS-  
LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE-  
1143 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS BETWEEN 35 TO 50 MPH WITH DAMAGING  
WIND GUSTS TO 80 MPH WILL CONTINUE THROUGH TUESDAY. THERE WILL BE  
ISOLATED WIND GUSTS AS HIGH AS 90 MPH POSSIBLE. WINDS ARE EXPECTED  
TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING  
HOURS...BUT ARE EXPECTED TO RE-INTENSIFY DURING THE OVERNIGHT  
THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ046-221245-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
SANTA MONICA MOUNTAINS RECREATIONAL AREA-  
1143 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS OF 30 TO 50 MPH WITH DAMAGING WIND  
GUSTS AS HIGH AS 80 MPH CAN BE EXPECTED THROUGH PASSES AND CANYONS.  
WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON  
AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING  
THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ040-041-221245-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY COAST-  
LOS ANGELES COUNTY COAST INCLUDING DOWNTOWN LOS ANGELES-  
1143 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS CONTINUE THROUGH TUESDAY. THE AREAS MOST IMPACTED WILL INCLUDE MUCH OF THE VENTURA COUNTY COASTAL PLAIN...THE HOLLYWOOD HILLS...AND BELOW PASSES AND CANYONS FROM PACIFIC PALISADES TO MALIBU. NORTHEAST WINDS BETWEEN 30 TO 40 MPH WILL CONTINUE AT TIMES THROUGH TUESDAY AFTERNOON...WITH DAMAGING WIND GUSTS AS HIGH AS 60 MPH LIKELY. WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ044-045-047-088-221245-

/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/

VENTURA COUNTY INTERIOR VALLEYS-VENTURA COUNTY COASTAL VALLEYS-

LOS ANGELES COUNTY VALLEYS-SANTA CLARITA VALLEY-

1143 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS 30 TO 45 MPH WITH LOCAL DAMAGING WIND GUSTS TO 70 MPH CAN BE EXPECTED BELOW THE FAVORED NORTHEAST PASSES AND CANYONS. WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

ASR

WWUS76 KLOX 221154  
NPWLOX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
454 AM PDT MON OCT 22 2007

...STRONG DAMAGING WINDS EXPECTED FOR PORTIONS OF SOUTHERN  
CALIFORNIA THROUGH TUESDAY...

STRONG AND DAMAGING NORTHEAST WINDS WILL CONTINUE TO AFFECT MOST OF  
LOS ANGELES AND VENTURA COUNTIES THROUGH TUESDAY. THE STRONGEST  
WINDS ARE EXPECTED TO OCCUR IN THE MOUNTAINS...WHERE WIND GUSTS TO  
80 MPH WILL BE COMMON...AND ISOLATED GUSTS OVER 90 MPH WILL BE  
POSSIBLE. WHILE THE STRONG DAMAGING WINDS ARE LIKELY TO CONTINUE  
ACROSS PORTIONS OF THE WARNING AREA THROUGH TUESDAY...THERE WILL BE  
BRIEF LULLS IN INTENSITY DURING THE LATE AFTERNOON AND EARLY EVENING  
HOURS EACH DAY.

CAZ053-054-221900-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY MOUNTAINS-  
LOS ANGELES COUNTY MOUNTAINS EXCLUDING THE SANTA MONICA RANGE-  
454 AM PDT MON OCT 22 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS BETWEEN 35 TO 50 MPH WITH DAMAGING  
WIND GUSTS TO 80 MPH WILL CONTINUE THROUGH TUESDAY. THERE WILL BE  
ISOLATED WIND GUSTS AS HIGH AS 90 MPH POSSIBLE. WINDS ARE EXPECTED  
TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING  
HOURS...BUT ARE EXPECTED TO RE-INTENSIFY DURING THE OVERNIGHT  
THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ046-221900-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
SANTA MONICA MOUNTAINS RECREATIONAL AREA-  
454 AM PDT MON OCT 22 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

STRONG NORTH TO NORTHEAST WINDS OF 30 TO 50 MPH WITH DAMAGING WIND  
GUSTS AS HIGH AS 80 MPH CAN BE EXPECTED THROUGH PASSES AND CANYONS.  
WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON  
AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING  
THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ040-041-221900-  
/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/  
VENTURA COUNTY COAST-  
LOS ANGELES COUNTY COAST INCLUDING DOWNTOWN LOS ANGELES-  
454 AM PDT MON OCT 22 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS CONTINUE THROUGH TUESDAY. THE AREAS MOST IMPACTED WILL INCLUDE MUCH OF THE VENTURA COUNTY COASTAL PLAIN...THE HOLLYWOOD HILLS...AND BELOW PASSES AND CANYONS FROM PACIFIC PALISADES TO MALIBU. NORTHEAST WINDS BETWEEN 30 TO 40 MPH WILL CONTINUE AT TIMES THROUGH TUESDAY AFTERNOON...WITH DAMAGING WIND GUSTS AS HIGH AS 60 MPH LIKELY. WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

CAZ044-045-047-088-221900-

/O.CON.KLOX.HW.W.0013.000000T0000Z-071023T2200Z/

VENTURA COUNTY INTERIOR VALLEYS-VENTURA COUNTY COASTAL VALLEYS-

LOS ANGELES COUNTY VALLEYS-SANTA CLARITA VALLEY-

454 AM PDT MON OCT 22 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 3 PM PDT TUESDAY.

DANGEROUS NORTH TO NORTHEAST WINDS 30 TO 45 MPH WITH LOCAL DAMAGING WIND GUSTS TO 70 MPH CAN BE EXPECTED BELOW THE FAVORED NORTHEAST PASSES AND CANYONS. WINDS ARE EXPECTED TO DIMINISH SLIGHTLY DURING THE LATE AFTERNOON AND EARLY EVENING HOURS...BUT ARE EXPECTED TO RE INTENSIFY DURING THE OVERNIGHT THROUGH EARLY AFTERNOON HOURS.

\$\$

ASR

**NWS San Diego Forecast Office**

WWUS76 KSGX 210444  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
944 PM PDT SAT OCT 20 2007

...VERY WINDY PATTERN THROUGH EARLY NEXT WEEK...

...STRONG DAMAGING SANTA ANA WINDS POSSIBLE SUNDAY THROUGH  
MONDAY...

STRONG SANTA ANA WINDS WILL DEVELOP LATE TONIGHT AND SUNDAY. THE  
STRONGEST WINDS ARE EXPECTED SUNDAY THROUGH MONDAY...WITH THE  
POTENTIAL FOR DAMAGING WINDS MAINLY THROUGH AND BELOW THE PASSES  
AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING  
CONDITIONS FOR HIGH PROFILE VEHICLES...AND ALSO CAUSE AREAS OF  
BLOWING DUST AND SAND WITH REDUCED VISIBILITY.

WINDS WILL DECREASE LATE MONDAY AFTERNOON...BUT CONTINUE GUSTY AT  
TIMES MONDAY NIGHT THROUGH EARLY WEDNESDAY.

CAZ042-048-055>057-211130-  
/O.CON.KSGX.HW.W.0011.071021T1000Z-071023T0100Z/  
ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
944 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 6 PM  
PDT MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 3 AM SUNDAY TO 6 PM  
PDT MONDAY.

SANTA ANA WINDS WILL DEVELOP LATE TONIGHT WITH AREAS OF NORTHEAST  
WINDS INCREASING TO 25 TO 35 MPH WITH STRONGEST GUSTS TO 80 MPH  
BELOW PASSES AND CANYONS BY SUNDAY MORNING. STRONGEST WINDS WILL  
BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE  
SANTA ANA MOUNTAINS. STRONG SANTA ANA WINDS WILL CONTINUE AT  
TIMES THROUGH MONDAY. WEAKER OFFSHORE WINDS WILL LINGER MONDAY  
NIGHT THROUGH EARLY WEDNESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS  
WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD  
REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND  
DOWNED POWER LINES.

\$\$

CAZ050-058-211130-  
/O.CON.KSGX.HW.W.0011.071021T1600Z-071023T0100Z/  
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-



944 PM PDT SAT OCT 20 2007

...HIGH WIND WARNING REMAINS IN EFFECT FROM 9 AM SUNDAY TO 6 PM  
PDT MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 9 AM SUNDAY TO 6 PM  
PDT MONDAY.

SANTA ANA WINDS WILL DEVELOP SUNDAY MORNING WITH AREAS OF  
NORTHEAST WINDS INCREASING TO 25 TO 35 MPH WITH STRONGEST GUSTS  
TO 70 MPH THROUGH AND BELOW PASSES AND CANYONS. STRONG SANTA ANA  
WINDS WILL CONTINUE AT TIMES THROUGH MONDAY. WEAKER OFFSHORE  
WINDS WILL LINGER MONDAY NIGHT THROUGH EARLY WEDNESDAY.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS  
WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND  
DOWNED POWER LINES.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

WWUS76 KSGX 211016  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
316 AM PDT SUN OCT 21 2007

...STRONG DAMAGING SANTA ANA WINDS THROUGH MONDAY...

BUILDING HIGH PRESSURE ALOFT OVER CALIFORNIA AND SURFACE HIGH PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA ANA CONDITIONS THROUGH MONDAY. STRONG SANTA ANA WINDS WILL DEVELOP THIS MORNING AND CONTINUE AT TIMES THROUGH MONDAY. THERE IS THE POTENTIAL FOR DAMAGING WINDS MAINLY THROUGH AND BELOW THE PASSES AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES...AND ALSO CAUSE AREAS OF BLOWING DUST AND SAND WITH REDUCED VISIBILITY. WINDS WILL GRADUALLY DECREASE MONDAY NIGHT THROUGH WEDNESDAY.

CAZ042-048-055>057-211800-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
316 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

SANTA ANA WINDS WILL STRENGTHEN AND INCREASE IN COVERAGE THIS MORNING...THEN CONTINUE AT TIMES THROUGH MONDAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 85 MPH BELOW PASSES AND CANYONS. STRONGEST WINDS WILL BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

AS OF 3 AM...THERE HAVE BEEN GUSTS REPORTED AS HIGH AS 70 MPH BELOW CAJON PASS AND 50 MPH IN THE SANTA ANA MOUNTAINS WITH A FEW REPORTS OF DOWNED TREES...POWER LINES...AND ROAD SIGNS IN THE INLAND EMPIRE.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ050-058-211800-  
/O.CON.KSGX.HW.W.0011.071021T1600Z-071023T0100Z/  
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-  
316 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT FROM 9 AM THIS MORNING TO

6 PM PDT MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 9 AM THIS MORNING TO 6 PM PDT MONDAY.

SANTA ANA WINDS WILL DEVELOP BY LATE THIS MORNING AND STRENGTHEN THROUGH THIS AFTERNOON. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 70 MPH THROUGH AND BELOW BELOW PASSES AND CANYONS. STRONG SANTA ANA WINDS WILL CONTINUE AT TIMES THROUGH MONDAY. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ061-211800-  
/O.NEW.KSGX.WI.Y.0027.071021T1016Z-071022T0100Z/  
COACHELLA VALLEY-  
316 AM PDT SUN OCT 21 2007

...WIND ADVISORY IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHWEST TO NORTH WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH. THE WINDS WILL CAUSE AREAS OF BLOWING SAND AND GUST WITH LOCAL VISIBILITIES LESS THAN ONE QUARTER MILE AT TIMES.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

CAZ043-211800-  
/O.NEW.KSGX.WI.Y.0027.071021T1300Z-071022T0100Z/  
SAN DIEGO COUNTY COASTAL AREAS-  
316 AM PDT SUN OCT 21 2007

...WIND ADVISORY IN EFFECT FROM 6 AM THIS MORNING TO 6 PM PDT THIS AFTERNOON...MAINLY NORTH OF OCEANSIDE...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT FROM 6 AM THIS MORNING TO 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHEAST WINDS 15 TO 25 MPH WITH GUSTS TO 40 MPH WILL DEVELOP THIS MORNING AND CONTINUE THROUGH THIS AFTERNOON...MAINLY NORTH OF OCEANSIDE.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

MARTIN

WWUS76 KSGX 211316  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
616 AM PDT SUN OCT 21 2007

...STRONG DAMAGING SANTA ANA WINDS THROUGH MONDAY...

BUILDING HIGH PRESSURE ALOFT OVER CALIFORNIA AND SURFACE HIGH PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA ANA CONDITIONS THROUGH MONDAY. STRONG SANTA ANA WINDS WILL DEVELOP THIS MORNING AND CONTINUE AT TIMES THROUGH MONDAY. THERE IS THE POTENTIAL FOR DAMAGING WINDS MAINLY THROUGH AND BELOW THE PASSES AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES...AND ALSO CAUSE AREAS OF BLOWING DUST AND SAND WITH REDUCED VISIBILITY. WINDS WILL GRADUALLY DECREASE MONDAY NIGHT THROUGH WEDNESDAY.

CAZ050-212130-  
/O.NEW.KSGX.FG.Y.0010.071021T1316Z-071021T1600Z/  
/O.CON.KSGX.HW.W.0011.071021T1600Z-071023T0100Z/  
SAN DIEGO COUNTY VALLEYS-  
616 AM PDT SUN OCT 21 2007

...DENSE FOG ADVISORY IN EFFECT UNTIL 9 AM PDT THIS MORNING...  
...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A DENSE FOG ADVISORY...WHICH IS IN EFFECT UNTIL 9 AM PDT THIS MORNING. A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

A SHALLOW MARINE LAYER WILL CAUSE AREAS OF DENSE FOG IN THE FAR WESTERN VALLEYS WITH LOCAL VISIBILITY LESS THAN ONE QUARTER MILE. THIS WILL AFFECT VISIBILITY ON LOCAL ROADS AND HIGHWAYS INCLUDING PORTIONS OF INTERSTATE 15.

SANTA ANA WINDS WILL DEVELOP BY LATE THIS MORNING AND STRENGTHEN THROUGH THIS AFTERNOON. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 70 MPH THROUGH AND BELOW BELOW PASSES AND CANYONS. STRONG SANTA ANA WINDS WILL CONTINUE AT TIMES THROUGH MONDAY. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

A DENSE FOG ADVISORY MEANS VISIBILITIES WILL FREQUENTLY BE REDUCED TO LESS THAN ONE QUARTER MILE. IF DRIVING...SLOW DOWN... USE LOW BEAM HEADLIGHTS...AND LEAVE PLENTY OF DISTANCE AHEAD OF YOU.

\$\$

CAZ042-048-055>057-212130-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/

ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
616 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

SANTA ANA WINDS WILL STRENGTHEN AND INCREASE IN COVERAGE THIS MORNING...THEN CONTINUE AT TIMES THROUGH MONDAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 85 MPH BELOW PASSES AND CANYONS. STRONGEST WINDS WILL BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

AS OF 3 AM...THERE HAVE BEEN GUSTS REPORTED AS HIGH AS 70 MPH BELOW CAJON PASS AND 50 MPH IN THE SANTA ANA MOUNTAINS WITH A FEW REPORTS OF DOWNED TREES...POWER LINES...AND ROAD SIGNS IN THE INLAND EMPIRE.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ058-212130-  
/O.CON.KSGX.HW.W.0011.071021T1600Z-071023T0100Z/  
SAN DIEGO COUNTY MOUNTAINS-  
616 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

SANTA ANA WINDS WILL DEVELOP BY LATE THIS MORNING AND STRENGTHEN THROUGH THIS AFTERNOON. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 70 MPH THROUGH AND BELOW PASSES AND CANYONS. STRONG SANTA ANA WINDS WILL CONTINUE AT TIMES THROUGH MONDAY. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

\$\$

CAZ043-212130-  
/O.NEW.KSGX.FG.Y.0010.071021T1316Z-071021T1600Z/

/O.CON.KSGX.WI.Y.0027.000000T0000Z-071022T0100Z/  
SAN DIEGO COUNTY COASTAL AREAS-  
616 AM PDT SUN OCT 21 2007

...DENSE FOG ADVISORY IN EFFECT UNTIL 9 AM PDT THIS MORNING...  
...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS  
AFTERNOON...

A SHALLOW MARINE LAYER WILL CAUSE AREAS OF DENSE FOG WITH LOCAL  
VISIBILITY LESS THAN ONE QUARTER MILE. THIS WILL AFFECT VISIBILITY  
ON LOCAL ROADS AND HIGHWAYS INCLUDING PORTIONS OF INTERSTATE 5.

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A DENSE FOG  
ADVISORY...WHICH IS IN EFFECT UNTIL 9 AM PDT THIS MORNING. A WIND  
ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHEAST WINDS 15 TO 25 MPH WITH GUSTS TO 40 MPH WILL  
DEVELOP THIS MORNING AND CONTINUE THROUGH THIS AFTERNOON...MAINLY  
NORTH OF OCEANSIDE.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

A DENSE FOG ADVISORY MEANS VISIBILITIES WILL FREQUENTLY BE  
REDUCED TO LESS THAN ONE QUARTER MILE. IF DRIVING...SLOW DOWN...  
USE LOW BEAM HEADLIGHTS...AND LEAVE PLENTY OF DISTANCE AHEAD OF  
YOU.

\$\$

CAZ061-212130-  
/O.CON.KSGX.WI.Y.0027.000000T0000Z-071022T0100Z/  
COACHELLA VALLEY-  
616 AM PDT SUN OCT 21 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS  
AFTERNOON...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHWEST TO NORTH WINDS 20 TO 30 MPH WITH GUSTS TO  
45 MPH. THE WINDS WILL CAUSE AREAS OF BLOWING SAND AND GUST WITH  
LOCAL VISIBILITIES LESS THAN ONE QUARTER MILE AT TIMES.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

WWUS76 KSGX 211613  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
913 AM PDT SUN OCT 21 2007

...STRONG DAMAGING SANTA ANA WINDS THROUGH MONDAY...

BUILDING HIGH PRESSURE ALOFT OVER CALIFORNIA AND SURFACE HIGH PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA ANA CONDITIONS THROUGH MONDAY...WEAKENING TUESDAY. SANTA ANA WINDS WILL DEVELOP TODAY AND CONTINUE AT TIMES THROUGH MONDAY AND THEN WEAKEN TUESDAY. THERE IS THE POTENTIAL FOR DAMAGING WINDS MAINLY THROUGH AND BELOW THE PASSES AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES...AND ALSO CAUSE AREAS OF BLOWING DUST AND SAND WITH REDUCED VISIBILITY.

CAZ050-220100-  
/O.EXP.KSGX.FG.Y.0010.000000T0000Z-071021T1600Z/  
/O.NEW.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
SAN DIEGO COUNTY VALLEYS-  
913 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY...  
...DENSE FOG ADVISORY HAS EXPIRED...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY. THE DENSE FOG ADVISORY IS NO LONGER IN EFFECT. A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

SANTA ANA WINDS WILL DEVELOP BY LATE THIS MORNING AND STRENGTHEN THROUGH THIS AFTERNOON. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 70 MPH THROUGH AND BELOW BELOW PASSES AND CANYONS. STRONG SANTA ANA WINDS WILL CONTINUE AT TIMES THROUGH MONDAY. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

CAZ043-220100-  
/O.EXP.KSGX.FG.Y.0010.000000T0000Z-071021T1600Z/  
/O.CON.KSGX.WI.Y.0027.000000T0000Z-071022T0100Z/  
SAN DIEGO COUNTY COASTAL AREAS-  
913 AM PDT SUN OCT 21 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...  
...DENSE FOG ADVISORY HAS EXPIRED...

THE DENSE FOG ADVISORY IS NO LONGER IN EFFECT. A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHEAST WINDS 15 TO 25 MPH WITH GUSTS TO 40 MPH WILL DEVELOP THIS MORNING AND CONTINUE THROUGH THIS AFTERNOON...MAINLY NORTH OF OCEANSIDE.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

CAZ042-048-055>057-220100-  
/O.NEW.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
913 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY. A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

SANTA ANA WINDS WILL STRENGTHEN AND INCREASE IN COVERAGE THIS MORNING...THEN CONTINUE AT TIMES THROUGH MONDAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 85 MPH BELOW PASSES AND CANYONS. STRONGEST WINDS WILL BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

AS OF 3 AM...THERE HAVE BEEN GUSTS REPORTED AS HIGH AS 70 MPH BELOW CAJON PASS AND 50 MPH IN THE SANTA ANA MOUNTAINS WITH A FEW REPORTS OF DOWNED TREES...POWER LINES...AND ROAD SIGNS IN THE INLAND EMPIRE.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ058-220100-  
/O.NEW.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/



SAN DIEGO COUNTY MOUNTAINS-  
913 AM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY. A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

SANTA ANA WINDS WILL DEVELOP BY LATE THIS MORNING AND STRENGTHEN THROUGH THIS AFTERNOON. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 70 MPH THROUGH AND BELOW BELOW PASSES AND CANYONS. STRONG SANTA ANA WINDS WILL CONTINUE AT TIMES THROUGH MONDAY. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ062-220100-  
/O.EXA.KSGX.WI.Y.0027.000000T0000Z-071022T0100Z/  
SAN DIEGO COUNTY DESERTS-  
913 AM PDT SUN OCT 21 2007

...WIND ADVISORY IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND ADVISORY...WHICH IS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHWEST TO NORTH WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH. THE WINDS WILL CAUSE AREAS OF BLOWING SAND AND GUST WITH LOCAL VISIBILITIES LESS THAN ONE QUARTER MILE AT TIMES.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ061-220100-  
/O.CON.KSGX.WI.Y.0027.000000T0000Z-071022T0100Z/  
COACHELLA VALLEY-  
913 AM PDT SUN OCT 21 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS

AFTERNOON...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHWEST TO NORTH WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH. THE WINDS WILL CAUSE AREAS OF BLOWING SAND AND GUST WITH LOCAL VISIBILITIES LESS THAN ONE QUARTER MILE AT TIMES.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

DVA

WWUS76 KSGX 211914  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
1214 PM PDT SUN OCT 21 2007

...STRONG DAMAGING SANTA ANA WINDS THROUGH MONDAY...

BUILDING HIGH PRESSURE ALOFT OVER CALIFORNIA AND SURFACE HIGH PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA ANA CONDITIONS THROUGH MONDAY...WEAKENING TUESDAY. SANTA ANA WINDS WILL DEVELOP TODAY AND CONTINUE AT TIMES THROUGH MONDAY AND THEN WEAKEN TUESDAY. THERE IS THE POTENTIAL FOR DAMAGING WINDS MAINLY THROUGH AND BELOW THE PASSES AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES...AND ALSO CAUSE AREAS OF BLOWING DUST AND SAND WITH REDUCED VISIBILITY.

CAZ042-048-055>057-220100-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
1214 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY. A WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY.

SANTA ANA WINDS WILL STRENGTHEN AND INCREASE IN COVERAGE THIS MORNING...THEN CONTINUE AT TIMES THROUGH MONDAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 85 MPH BELOW PASSES AND CANYONS. STRONGEST WINDS WILL BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

AS OF 3 AM...THERE HAVE BEEN GUSTS REPORTED AS HIGH AS 70 MPH BELOW CAJON PASS AND 50 MPH IN THE SANTA ANA MOUNTAINS WITH A FEW REPORTS OF DOWNED TREES...POWER LINES...AND ROAD SIGNS IN THE INLAND EMPIRE.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ050-058-220100-

/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-  
1214 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT  
TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY. A  
WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT  
TUESDAY.

SANTA ANA WINDS WILL DEVELOP BY LATE THIS MORNING AND STRENGTHEN  
THROUGH THIS AFTERNOON. THERE WILL BE AREAS OF NORTHEAST WINDS  
25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 70 MPH THROUGH AND  
BELOW BELOW PASSES AND CANYONS. STRONG SANTA ANA WINDS WILL  
CONTINUE AT TIMES THROUGH MONDAY. WINDS WILL GRADUALLY WEAKEN  
MONDAY NIGHT THROUGH WEDNESDAY.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS  
WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND  
DOWNED POWER LINES.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

CAZ043-220100-  
/O.EXT.KSGX.WI.Y.0027.000000T0000Z-071023T0100Z/  
SAN DIEGO COUNTY COASTAL AREAS-  
1214 PM PDT SUN OCT 21 2007

...WIND ADVISORY NOW IN EFFECT UNTIL 6 PM PDT MONDAY...

THE WIND ADVISORY IS NOW IN EFFECT UNTIL 6 PM PDT MONDAY.

AREAS OF NORTHEAST WINDS 15 TO 25 MPH WITH GUSTS TO 40 MPH WILL  
DEVELOP THIS MORNING AND CONTINUE THROUGH THIS AFTERNOON...MAINLY  
NORTH OF OCEANSIDE.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

CAZ061-062-220100-  
/O.CON.KSGX.WI.Y.0027.000000T0000Z-071022T0100Z/  
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-  
1214 PM PDT SUN OCT 21 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS  
AFTERNOON...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHWEST TO NORTH WINDS 20 TO 30 MPH WITH GUSTS TO 45 MPH. THE WINDS WILL CAUSE AREAS OF BLOWING SAND AND GUST WITH LOCAL VISIBILITIES LESS THAN ONE QUARTER MILE AT TIMES.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

THE FOLLOWING ARE SOME WIND GUST AND DAMAGE REPORTS FROM EARLIER TODAY...

LOCATION	PEAK WIND GUST
----------	----------------

FREMONT CANYON.....	83 MPH
SAN BERNARDINO/PALM ES.....	79 MPH
MIRA LOMA.....	75 MPH
RANCHO CUCAMONGA.....	74 MPH
RIALTO.....	67 MPH
CAMPO.....	55 MPH
DESCANSO.....	52 MPH
CASE SPRINGS.....	50 MPH
POTRERO.....	50 MPH
WHITEWATER.....	50 MPH
JULIAN.....	48 MPH
CORONA AIRPORT.....	47 MPH
EL CARISO.....	46 MPH
DEVORE.....	44 MPH
ONTARIO AIRPORT.....	43 MPH
CAMERON.....	42 MPH
FOOTHILL RANCH.....	42 MPH
VALLEY CENTER.....	41 MPH

DAMAGE REPORTS...

TREES AND POWER LINES DOWN IN THE INLAND EMPIRE.  
OVERTURNED BIG RIGS IN THE INLAND EMPIRE.  
TREES DOWN IN NE ORANGE COUNTY.  
BLOWING DUST AND NEAR ZERO VISIBILITY AT TIMES ALONG 215 AND 15.

\$\$

DVA/SCV

WWUS76 KSGX 220222  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
722 PM PDT SUN OCT 21 2007

...STRONG DAMAGING SANTA ANA WINDS THROUGH MONDAY...

BUILDING HIGH PRESSURE ALOFT OVER CALIFORNIA AND SURFACE HIGH PRESSURE OVER THE GREAT BASIN WILL BRING HOT...DRY...STRONG SANTA ANA CONDITIONS THROUGH MONDAY...WEAKENING TUESDAY. THERE IS THE POTENTIAL FOR DAMAGING WINDS MAINLY THROUGH AND BELOW THE PASSES AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES. AREAS OF SMOKE...BLOWING DUST AND SAND WILL REDUCE VISIBILITY BELOW ONE QUARTER MILE AT TIMES.

CAZ042-048-055>057-221030-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
722 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.  
A WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY.

STRONG SANTA ANA WINDS WILL CONTINUE THROUGH MONDAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 85 MPH BELOW PASSES AND CANYONS. STRONGEST WINDS WILL BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS. WINDS WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

STRONG GUSTS HAVE OCCURRED TODAY AS HIGH AS 75 TO 85 MPH BELOW CAJON PASS AND NEAR THE SANTA ANA FOOTHILLS WITH REPORTS OF DOWNED TREES...POWER LINES AND ROAD SIGNS...AND TRUCKS BLOWN OVER.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ050-058-221030-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-

722 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT  
TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.  
A WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT  
TUESDAY.

STRONG SANTA ANA WINDS WILL CONTINUE THROUGH MONDAY. THERE WILL  
BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO  
AROUND 70 MPH THROUGH AND BELOW BELOW PASSES AND CANYONS. WINDS  
WILL GRADUALLY WEAKEN MONDAY NIGHT THROUGH WEDNESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS  
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE. A WIND ADVISORY  
MEANS THAT WINDS OVER 35 MPH ARE EXPECTED.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS  
WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND  
DOWNED POWER LINES.

\$\$

CAZ043-221030-  
/O.CON.KSGX.WI.Y.0027.000000T0000Z-071023T0100Z/  
SAN DIEGO COUNTY COASTAL AREAS-  
722 PM PDT SUN OCT 21 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

AREAS OF NORTHEAST WINDS 15 TO 25 MPH WITH GUSTS TO 40 MPH WILL  
CONTINUE THROUGH MONDAY.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

WWUS76 KSGX 220659  
NPWSGX

URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
1159 PM PDT SUN OCT 21 2007

...STRONG DAMAGING SANTA ANA WINDS THROUGH MONDAY...

BUILDING HIGH PRESSURE WILL BRING GUSTY SANTA ANA WINDS...HOT AND VERY DRY CONDITIONS THROUGH TUESDAY. THE STRONGEST DAMAGING WINDS WILL OCCUR TONIGHT AND MONDAY...MAINLY NEAR THE PASSES AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES. AREAS OF SMOKE...BLOWING DUST AND SAND WILL REDUCE VISIBILITY BELOW ONE QUARTER MILE AT TIMES.

CAZ042-048-055>057-221300-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
1159 PM PDT SUN OCT 21 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.  
A WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT TUESDAY.

STRONG SANTA ANA WINDS WILL CONTINUE THROUGH MONDAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 85 MPH BELOW PASSES AND CANYONS. STRONGEST WINDS WILL BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS. WINDS WILL REMAIN STRONG AND GUSTY BUT A LITTLE WEAKER FOR TUESDAY...AND THEN WEAKEN FURTHER BY WEDNESDAY.

STRONG GUSTS HAVE OCCURRED TODAY AS HIGH AS 75 TO 85 MPH BELOW CAJON PASS AND NEAR THE SANTA ANA FOOTHILLS WITH REPORTS OF DOWNED TREES...POWER LINES AND ROAD SIGNS...AND TRUCKS BLOWN OVER.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ050-058-221300-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-  
1159 PM PDT SUN OCT 21 2007



...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT  
TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.  
A WIND ADVISORY REMAINS IN EFFECT FROM 6 PM MONDAY TO 6 PM PDT  
TUESDAY.

STRONG SANTA ANA WINDS WILL CONTINUE THROUGH MONDAY. THERE WILL  
BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO  
AROUND 70 MPH THROUGH AND BELOW PASSES AND CANYONS. WINDS  
WILL REMAIN STRONG AND GUSTY BUT A LITTLE WEAKER FOR TUESDAY...  
AND THEN WEAKEN FURTHER BY WEDNESDAY.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED  
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF  
58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE. A WIND ADVISORY MEANS  
THAT WINDS OVER 35 MPH ARE EXPECTED.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS  
WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND  
DOWNED POWER LINES.

\$\$

CAZ043-221300-  
/O.CON.KSGX.WI.Y.0027.000000T0000Z-071023T0100Z/  
SAN DIEGO COUNTY COASTAL AREAS-  
1159 PM PDT SUN OCT 21 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT MONDAY.

AREAS OF NORTHEAST WINDS 15 TO 25 MPH WITH LOCAL GUSTS TO 40 MPH  
WILL CONTINUE AT TIMES THROUGH MONDAY.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

THE FOLLOWING ARE SOME WIND GUST REPORTS...

LOCATION	11 PM GUSTS	PEAK WIND GUST
FREMONT CANYON.....	74 MPH.....	85 MPH
SAN BERNARDINO/PALM ES.....	NOT AVBL.....	79 MPH
MIRA LOMA.....	NOT AVBL.....	75 MPH
RANCHO CUCAMONGA.....	NOT AVBL.....	74 MPH
DESCANSO.....	69 MPH.....	69 MPH
RIALTO.....	NOT AVBL.....	67 MPH
ONTARIO AIRPORT.....	59 MPH.....	63 MPH
CAMPO.....	48 MPH.....	62 MPH
POTRERO.....	60 MPH.....	60 MPH
CAMERON.....	51 MPH.....	54 MPH
CASE SPRINGS.....	41 MPH.....	52 MPH
VALLEY CENTER.....	48 MPH.....	50 MPH
CORONA AIRPORT.....	36 MPH.....	49 MPH
JULIAN.....	48 MPH.....	48 MPH

ALPINE.....	48 MPH.....	48 MPH
DEVORE.....	33 MPH.....	48 MPH
EL CARISO.....	41 MPH.....	46 MPH
FOOTHILL RANCH.....	NOT AVBL.....	42 MPH

WWUS76 KSGX 221200  
NPWSGX  
URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
500 AM PDT MON OCT 22 2007

...STRONG HOT DRY DAMAGING SANTA ANA WINDS TO CONTINUE TODAY...

STRONG HOT DRY SANTA ANA WINDS WILL CONTINUE TODAY...SLOWLY WEAKENING TONIGHT AND TUESDAY. DAMAGING WINDS ARE POSSIBLE TODAY...ESPECIALLY BELOW PASSES AND CANYONS. THE STRONG WINDS WILL RESULT IN HAZARDOUS DRIVING CONDITIONS FOR HIGH PROFILE VEHICLES. AREAS OF SMOKE...BLOWING DUST AND SAND WILL REDUCE VISIBILITY BELOW ONE QUARTER MILE AT TIMES.

CAZ042-048-055>057-221900-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
ORANGE COUNTY COASTAL AREAS-  
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-  
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-  
SANTA ANA MOUNTAINS AND FOOTHILLS-  
500 AM PDT MON OCT 22 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM THIS EVENING TO 6 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON. A WIND ADVISORY REMAINS IN EFFECT FROM 6 PM THIS EVENING TO 6 PM PDT TUESDAY.

STRONG SANTA ANA WINDS WILL CONTINUE TODAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 85 MPH BELOW PASSES AND CANYONS. STRONGEST WINDS WILL BE BELOW THE CAJON PASS AND NEAR THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS. WINDS WILL REMAIN STRONG AND GUSTY BUT A LITTLE WEAKER FOR TUESDAY...AND THEN WEAKEN FURTHER BY WEDNESDAY.

STRONG GUSTS HAVE OCCURRED OVERNIGHT AS HIGH AS 80 MPH BELOW CAJON PASS AND NEAR THE SANTA ANA FOOTHILLS WITH REPORTS OF DOWNED TREES...POWER LINES AND ROAD SIGNS...AND TRUCKS BLOWN OVER.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND SAND COULD REDUCE VISIBILITY TO NEAR ZERO. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ050-058-221900-  
/O.CON.KSGX.HW.W.0011.000000T0000Z-071023T0100Z/  
/O.CON.KSGX.WI.Y.0028.071023T0100Z-071024T0100Z/  
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-  
500 AM PDT MON OCT 22 2007

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...  
...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM THIS EVENING TO 6 PM PDT TUESDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON. A WIND ADVISORY REMAINS IN EFFECT FROM 6 PM THIS EVENING TO 6 PM PDT TUESDAY.

STRONG SANTA ANA WINDS WILL CONTINUE TODAY. THERE WILL BE AREAS OF NORTHEAST WINDS 25 TO 35 MPH WITH STRONGEST GUSTS TO AROUND 70 MPH THROUGH AND BELOW BELOW PASSES AND CANYONS. WINDS WILL REMAIN STRONG AND GUSTY BUT A LITTLE WEAKER FOR TUESDAY...AND THEN WEAKEN FURTHER BY WEDNESDAY.

WINDS IN MOST AREAS HAVE INCREASED IN STRENGTH ABOUT 10 MPH OVERNIGHT. WINDS HAVE GUSTED AS HIGH AS 69 MPH AT POTRERO...57 MPH AT JULIAN...AND 60 MPH AT DESCANSO. WIND GUSTS GREATER THAN 40 MPH ARE WIDESPREAD WITH PEAK GUSTS EXCEEDING 60 MPH. THERE HAVE BEEN NUMEROUS REPORTS OF DOWNED TREES...POWER LINES...AND SIGNS.

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE. A WIND ADVISORY MEANS THAT WINDS OVER 35 MPH ARE EXPECTED.

THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND DOWNED POWER LINES.

\$\$

CAZ043-221900-  
/O.CON.KSGX.WI.Y.0027.000000T0000Z-071023T0100Z/  
SAN DIEGO COUNTY COASTAL AREAS-  
500 AM PDT MON OCT 22 2007

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PDT THIS AFTERNOON.

AREAS OF NORTHEAST WINDS 15 TO 25 MPH WITH LOCAL GUSTS TO 40 MPH WILL CONTINUE AT TIMES TODAY.

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

\$\$

MARTIN

## A.6 National Weather Service – Significant Wind Report

### NWS Los Angeles/Oxnard Forecast Office

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
1200 PM PDT WED OCT 24 2007  
...SIGNIFICANT WIND REPORTS FOR THIS SANTA ANA WIND EVENT...  
...SINCE MIDNIGHT FRIDAY...

**LOS ANGELES COUNTY** PEAK WIND

LEO CARRILLO BEACH.....NORTHEAST 61 MPH.  
VAN NUYS.....NORTHEAST 40 MPH.  
MALIBU CANYON.....NORTHEAST 48 MPH.  
MALIBU HILLS.....NORTHEAST 64 MPH.  
NEWHALL.....NORTHEAST 43 MPH.  
NEWHALL PASS.....NORTH 78 MPH.  
SAUGUS.....NORTH 67 MPH.  
DEL VALLE.....NORTHEAST 56 MPH.  
ACTON.....NORTHEAST 53 MPH.  
CAMP NINE.....NORTH 86 MPH.  
CLEAR CREEK.....SOUTH 62 MPH.  
SANDBERG.....EAST 62 MPH.  
WARM SPRINGS.....EAST 91 MPH.  
WHITAKER PEAK.....NORTH 108 MPH.  
PALMDALE.....EAST 41 MPH.  
LAKE PALMDALE.....EAST 49 MPH.  
POPPY PARK.....EAST 43 MPH.  
SADDLEBACK BUTTE.....NORTHEAST 35 MPH.  
VALYERMO.....NORTHEAST 31 MPH.  
LANCASTER.....EAST 38 MPH.

**VENTURA COUNTY** PEAK WIND

OXNARD.....EAST 51 MPH.  
CAMARILLO.....EAST 54 MPH.  
POINT MUGU.....NORTHEAST 51 MPH.  
LAGUNA PEAK.....EAST 111 MPH.  
TEMESCAL.....EAST 33 MPH.  
PIRU.....NORTHEAST 55 MPH.  
SIMI VALLEY.....NORTHEAST 45 MPH.  
WILEY RIDGE.....NORTHEAST 87 MPH.  
THOUSAND OAKS.....NORTHEAST 49 MPH.  
CHUCHUPATE.....NORTHEAST 42 MPH.

**SANTA BARBARA COUNTY** PEAK WIND


LAS FLORES CANYON.....NORTH 64 MPH.  
MONTECITO.....NORTHEAST 58 MPH.  
PLOWSHARE MT. PEAK.....NORTH 43 MPH.  
LA CUMBRE PEAK.....NORTH 36 MPH.

**SAN LUIS OBISPO COUNTY** PEAK WIND


PORT SAN LUIS.....NORTH 34 MPH.  
CARRIZO.....EAST 33 MPH.  
BRANCH MOUNTAIN.....NORTHEAST 39 MPH.

## A.7 National Climatic Data Center Event Records

NCDC: Event Details
Page 1 of 1



**NOAA Satellite and Information Service**  
National Environmental Satellite, Data, and Information Service (NESDIS)



**National Climatic Data Center**  
U.S. Department of Commerce

[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

---

### Event Record Details

**Event:** High Wind

**Begin Date:** 20 Oct 2007, 01:00:00 AM PST

**Begin Location:** Not Known

**End Date:** 20 Oct 2007, 01:00:00 AM PST

**End Location:** Not Known

**Magnitude:** 60 knots

**Fatalities:** 0

**Injuries:** 0

**Property \$** 0.0K

**Damage:**

**Crop Damage:** \$ 0.0K

**State:** California


[Map of Counties](#)


**County:** Caz519

**Description:**  
 Occurred 5 miles WSW of Independence, CA. The first strong cold front of the season brought strong southwest winds ahead of it, and strong north winds behind it.

---

[Privacy Policy](#)





[Disclaimer](#)

---

This page dynamically generated 20 Jul 2009 from:  
<http://www4.ncdc.noaa.gov/cgi-win/wwwcgi.dll?wwEvent~storms>  
 Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)  
 Please see the [NCDC Contact Page](#) if you have questions or comments.

http://www4.ncdc.noaa.gov/cgi-win/wwwcgi.dll?wwevent~ShowEvent~685593
7/20/2009



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: **High Wind**  
 Begin Date: 20 Oct 2007, 14:30:00 PM PST  
 Begin Location: Not Known  
 End Date: 20 Oct 2007, 14:30:00 PM PST  
 End Location: Not Known  
 Magnitude: 56 knots  
 Fatalities: 0  
 Injuries: 0  
 Property \$ 0.0K  
 Damage:  
 Crop Damage: \$ 0.0K

State: **California**  
[Map of Counties](#)  
 Forecast **Los Angeles County**  
 Zones **Mountains E,**  
 affected: **Ventura County**  
**Mountains**

#### Description:

The Whitaker Peak RAWS sensor along the Interstate 5 corridor across Ventura and Los Angeles county reported northwest winds gusting to 64 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

HOW ARE WE DOING?  
A USER SURVEY

FIRST GOV  
THE U.S. GOVERNMENT'S OFFICIAL FIRST PAGE

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: **High Wind**  
 Begin Date: **20 Oct 2007, 15:00:00 PM PST**  
 Begin Location: **Not Known**  
 End Date: **20 Oct 2007, 15:00:00 PM PST**  
 End Location: **Not Known**  
 Magnitude: **58 knots**  
 Fatalities: **0**  
 Injuries: **0**  
 Property \$ **0.0K**  
 Damage:  
 Crop Damage: **\$ 0.0K**

State: **California**  
[Map of Counties](#)  
 Forecast **Santa Barbara**  
 Zones **County Mountains,**  
 affected: **Santa Barbara**  
**County South Coa**

#### Description:

The Montecito Hills RAWS sensor reported north winds gusting to 67 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OFFICIAL HOME

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.





NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: Dust Storm  
Begin Date: 20 Oct 2007, 15:00:00 PM PST  
Begin Location: Not Known  
End Date: 20 Oct 2007, 19:00:00 PM PST  
End Location: Not Known  
Magnitude: 0  
Fatalities: 0  
Injuries: 0  
Property \$ 0.0K  
Damage:  
Crop Damage: \$ 0.0K

State: California  
[Map of Counties](#)  
County: Caz099

#### Description:

The fourth, and final, storm in a series of weather disturbances since October 10 in Central California, hit the San Joaquin Valley on October 20, again bringing gusty winds to the Kern County mountains and deserts, with wind gusts of up to 67 mph measured at automated weather stations. Again, only light precipitation occurred with this storm, and mainly north of Fresno. Saturday afternoon, October 20, a dust storm occurred near Mojave and prompted highway patrol to close two heavily traveled freeways. Highway 58 was closed between exits 167 and 172 due to the severe visibility restrictions from the dust storm.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
The U.S. Government's Official Online Portal

[Disclaimer](#)

*This page dynamically generated 20 Jul 2009 from:*

<http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwEvent~storms>

*Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)*

*Please see the [NCDC Contact Page](#) if you have questions or comments.*



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: **High Wind**  
Begin Date: 20 Oct 2007, 20:30:00 PM PST  
Begin Location: Not Known  
End Date: 20 Oct 2007, 20:30:00 PM PST  
End Location: Not Known  
Magnitude: 50 knots  
Fatalities: 0  
Injuries: 0  
Property \$ 0.0K  
Damage:  
Crop Damage: \$ 0.0K

State: **California**  
[Map of Counties](#)  
Forecast  
Zones **ANTELOPE VALLEY**  
affected:

#### Description:

The Poppy Park RAWS sensor in the Antelope Valley reported west winds gusting to 58 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OFFICIAL BLOG

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: Wildfire	State: California
Begin Date: 20 Oct 2007, 20:42:00 PM PST	<a href="#">Map of Counties</a>
Begin Location: Not Known	County: Caz088
End Date: 31 Oct 2007, 08:00:00 AM PST	
End Location: Not Known	
Magnitude: 0	
Fatalities: 0	
Injuries: 0	
Property \$ 0.0K	
Damage:	
Crop Damage: \$ 0.0K	

#### Description:

The Ranch Fire in the Santa Clarita Valley burned 58,396 acres. The fire destroyed 1 home. No injuries were reported. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

HOW ARE WE DOING?  
A USER SURVEY

FIRST GOV  
THE U.S. GOVERNMENT'S OFFICIAL FIRST PAGE

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 02:30:00 AM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast Zones affected: <b>SANTA ANA MOUNTAINS AND FOOTHILLS</b>
End Date: <b>22 Oct 2007, 13:30:00 PM PST</b>	
End Location: <b>Not Known</b>	
Magnitude: <b>74 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>100.0K</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

At Fremont Canyon, wind gusts of 70 mph or greater were observed for 23 hours (19 consecutive hours), and wind gusts of 60 mph or greater were observed for 35 hours (25 consecutive hours). Six wind gusts in excess of 80 mph were measured by the Fremont Canyon RAWs, including a peak wind gust of 85 mph. At Case Springs, wind gusts of 50 mph or greater were observed for 27 hours (11 consecutive hours), and wind gusts of 40 mph or greater were observed for 53 hours (50 consecutive hours). Due to the lack of structures and people within zone 57, no reports of damage were received. Very strong surface high pressure over the Great Basin and extreme packing of the isobars along the crest of the Transverse and Peninsula Ranges resulted in an extended period of very strong, damaging, Santa Ana winds in the mountains and valleys of Southern California. During the morning of the 22nd, the pressure gradient averaged an impressive 0.2 to 0.3 mb/mile across the mountain crests. For example, a 10 mb pressure gradient was observed over a distance of just 45 miles between Ontario and Apple Valley, a 9 mb pressure gradient was observed over a distance of just 35 miles between Borrego Springs airport and Ramona airport, and an 8 mb offshore pressure gradient was observed over a distance of just 25 miles between Rialto airport and Big Bear City airport. Widespread wind gusts in excess of 65 mph with local gusts near 80 mph were reported in the Inland Empire, San Bernardino foothills, Santa Ana mountains and foothills, and San Diego County mountains and foothills. Several locations in and below passes and canyons experienced tropical storm force winds or greater for more than 36 hours. A peak wind gust of 85 mph was measured at Fremont Canyon, 79 mph at Palm Elementary in San Bernardino, 75 mph at Descanso and Mira Loma, 74 mph at Fallbrook and Rancho Cucamonga, 69 mph at Potrero, 67 mph at Beaumont, 66 mph at Ontario, 63 mph at Case Springs and El Cariso, 62 mph at Campo prior to the power outage, 59 mph at Julian and Alpine, and 58 mph at Cameron and Chino. The strong winds downed countless trees and power poles, damaged many roofs, damaged fences, damaged or destroyed outbuildings, damaged or destroyed road signs, overturned several high-profile vehicles, generated large dust storms, and fanned the flames of several large and devastating wildfires.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: High Wind	State: California
Begin Date: 21 Oct 2007, 03:18:00 AM PST	<a href="#">Map of Counties</a>
Begin Location: Not Known	Forecast: SAN BERNARDINO
End Date: 22 Oct 2007, 11:12:00 AM PST	Zones: COUNTY VALLEY/T
End Location: Not Known	affected:
Magnitude: 69 knots	
Fatalities: 0	
Injuries: 0	
Property \$ 35.0M	
Damage:	
Crop Damage: \$ 0.0K	

#### Description:

A strong Santa Ana wind event caused widespread wind damage across the Inland Empire. Wind gusts in excess of 70 mph snapped power poles, toppled trees, overturned big rigs, and damaged roofs. In one of the hardest hit areas, the wind caused an estimated \$2.6 million in damage at Mt. San Jacinto College. Many of the surrounding homes sustained minor to major roof damage. Elsewhere, a portion of the 215 freeway between Devore and I-10 was shut down as a result of the high wind, overturned big rigs, and blowing dust. Wind gusts of 50 mph or greater were observed for 19 consecutive hours at Beaumont and 14 hours (5 consecutive hours) at Ontario. A peak wind gust of 79 mph was measured at Palm Avenue Elementary School in San Bernardino. Very strong surface high pressure over the Great Basin and extreme packing of the isobars along the crest of the Transverse and Peninsula Ranges resulted in an extended period of very strong, damaging, Santa Ana winds in the mountains and valleys of Southern California. During the morning of the 22nd, the pressure gradient averaged an impressive 0.2 to 0.3 mb/mile across the mountain crests. For example, a 10 mb pressure gradient was observed over a distance of just 45 miles between Ontario and Apple Valley, a 9 mb pressure gradient was observed over a distance of just 35 miles between Borrego Springs airport and Ramona airport, and an 8 mb offshore pressure gradient was observed over a distance of just 25 miles between Rialto airport and Big Bear City airport. Widespread wind gusts in excess of 65 mph with local gusts near 80 mph were reported in the Inland Empire, San Bernardino foothills, Santa Ana mountains and foothills, and San Diego County mountains and foothills. Several locations in and below passes and canyons experienced tropical storm force winds or greater for more than 36 hours. A peak wind gust of 85 mph was measured at Fremont Canyon, 79 mph at Palm Elementary in San Bernardino, 75 mph at Descanso and Mira Loma, 74 mph at Fallbrook and Rancho Cucamonga, 69 mph at Potrero, 67 mph at Beaumont, 66 mph at Ontario, 63 mph at Case Springs and El Cariso, 62 mph at Campo prior to the power outage, 59 mph at Julian and Alpine, and 58 mph at Cameron and Chino. The strong winds downed countless trees and power poles, damaged many roofs, damaged fences, damaged or destroyed outbuildings, damaged or destroyed road signs, overturned several high-profile vehicles, generated large dust storms, and fanned the

flames of several large and devastating wildfires.

---

[Privacy Policy](#)

**NOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OFFICIAL WEBSITE

[Disclaimer](#)

---

*This page dynamically generated 20 Jul 2009 from:*

*<http://www4.ncdc.noaa.gov/cgi-win/wwwcgi.dll?wwwEvent-storms>*

*Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)*

*Please see the [NCDC Contact Page](#) if you have questions or comments.*





NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: Wildfire	State: California
Begin Date: 21 Oct 2007, 03:50:00 AM PST	<a href="#">Map of Counties</a>
Begin Location: Not Known	Forecast Zones: SANTA MONICA
End Date: 27 Oct 2007, 16:00:00 PM PST	affected: MOUNTAINS RECREAT
End Location: Not Known	
Magnitude: 0	
Fatalities: 0	
Injuries: 0	
Property Damage: \$ 0.0K	
Crop Damage: \$ 0.0K	

#### Description:

The Canyon Fire in the hills of Malibu burned 4,565 acres. The fire destroyed 6 homes and one church while damaging 13 other homes. Only 3 firefighter injuries were reported. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

HOW ARE WE DOING?  
A USER SURVEY

FIRST GOV  
THE U.S. GOVERNMENT'S OFFICIAL FIRST GOV

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 04:00:00 AM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast Zones: <b>ORANGE COUNTY</b>
End Date: <b>22 Oct 2007, 10:00:00 AM PST</b>	affected: <b>COASTAL PLAIN</b>
End Location: <b>Not Known</b>	
Magnitude: <b>56 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>5.0M</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

Santa Ana winds toppled trees, brought down power lines, and knocked out power to thousands in many parts of Orange County. The strongest winds were felt along the foothills of the Santa Ana mountains and near the Chino Hills area. Very strong surface high pressure over the Great Basin and extreme packing of the isobars along the crest of the Transverse and Peninsula Ranges resulted in an extended period of very strong, damaging, Santa Ana winds in the mountains and valleys of Southern California. During the morning of the 22nd, the pressure gradient averaged an impressive 0.2 to 0.3 mb/mile across the mountain crests. For example, a 10 mb pressure gradient was observed over a distance of just 45 miles between Ontario and Apple Valley, a 9 mb pressure gradient was observed over a distance of just 35 miles between Borrego Springs airport and Ramona airport, and an 8 mb offshore pressure gradient was observed over a distance of just 25 miles between Rialto airport and Big Bear City airport. Widespread wind gusts in excess of 65 mph with local gusts near 80 mph were reported in the Inland Empire, San Bernardino foothills, Santa Ana mountains and foothills, and San Diego County mountains and foothills. Several locations in and below passes and canyons experienced tropical storm force winds or greater for more than 36 hours. A peak wind gust of 85 mph was measured at Fremont Canyon, 79 mph at Palm Elementary in San Bernardino, 75 mph at Descanso and Mira Loma, 74 mph at Fallbrook and Rancho Cucamonga, 69 mph at Potrero, 67 mph at Beaumont, 66 mph at Ontario, 63 mph at Case Springs and El Cariso, 62 mph at Campo prior to the power outage, 59 mph at Julian and Alpine, and 58 mph at Cameron and Chino. The strong winds downed countless trees and power poles, damaged many roofs, damaged fences, damaged or destroyed outbuildings, damaged or destroyed road signs, overturned several high-profile vehicles, generated large dust storms, and fanned the flames of several large and devastating wildfires.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRSTGov**  
The U.S. Government's Open Government Portal

[Disclaimer](#)





NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 04:00:00 AM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast Zones: <b>VENTURA COUNTY</b>
End Date: <b>21 Oct 2007, 04:00:00 AM PST</b>	affected: <b>INTERIOR VALLEY</b>
End Location: <b>Not Known</b>	
Magnitude: <b>50 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property: <b>\$ 0.0K</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

The Wiley Ridge RAWS sensor reported northeast winds gusting to 58 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OFFICIAL BLOG

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: Wildfire	State: California
Begin Date: 21 Oct 2007, 05:00:00 AM PST	<a href="#">Map of Counties</a>
Begin Location: Not Known	Forecast Zones: SANTA BARBARA COUNTY
End Date: 22 Oct 2007, 16:00:00 PM PST	affected: MOUNTAINS
End Location: Not Known	
Magnitude: 0	
Fatalities: 0	
Injuries: 0	
Property \$ 0.0K	
Damage:	
Crop Damage: \$ 0.0K	

#### Description:

The Sedgewick Fire in the Santa Barbara county mountains burned 710 acres. No damages or injuries were reported. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

HOW ARE WE DOING?  
A USER SURVEY

FIRSTGov  
THE U.S. GOVERNMENT'S OFFICIAL FIRST PAGE

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b> <a href="#">Map of Counties</a>
Begin Date: <b>21 Oct 2007, 06:00:00 AM PST</b>	Forecast Zones affected: <b>LOS ANGELES COUNTY</b>
Begin Location: <b>Not Known</b>	<b>COASTS INCL</b>
End Date: <b>21 Oct 2007, 06:00:00 AM PST</b>	
End Location: <b>Not Known</b>	
Magnitude: <b>52 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property Damage: <b>\$ 0.0K</b>	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

The Leo Carillo RAWS sensor reported northeast winds gusting to 60 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OFFICIAL BLOG

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 06:30:00 AM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	County: <b>Caz088</b>
End Date: <b>21 Oct 2007, 06:30:00 AM PST</b>	
End Location: <b>Not Known</b>	
Magnitude: <b>60 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>0.0K</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

The Newhall Pass RAWS sensor reported northeast winds gusting to 69 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OPEN GOVERNANCE PAGE

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: <b>Wildfire</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 08:23:00 AM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast Zones: <b>SAN DIEGO COUNTY</b>
End Date: <b>31 Oct 2007, 00:00:00 AM PST</b>	affected: <b>VALLEYS</b>
End Location: <b>Not Known</b>	
Magnitude: <b>0</b>	
Fatalities: <b>8</b>	
Injuries: <b>61</b>	
Property Damage: <b>\$ 75.0M</b>	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

A 52 year-old Potrero man was killed while trying to save his home. At least seven others were killed after having crossed the border illegally. The Harris Fire was the first and deadliest fire in a series of devastating wildfires to impact the San Diego CWA during the latter half of October. The fire was likely started by a campfire about one mile east of Potrero along Harris Ranch Road. Wind gusts at Potrero were 55-70 mph during the first two days of the Harris Fire. The fire destroyed 253 homes, 293 outbuildings, 2 commercial buildings, and an unknown number of vehicles. An additional 12 homes were damaged. A 52 year-old Potrero man was killed while trying to save his home. At least seven others were killed after having crossed the border illegally. An additional 40 firefighters and 21 civilians were injured. The Harris Fire cost \$21M to fight and burned 90,440 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
The U.S. Government's Open Government Portal

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: High Wind	State: California
Begin Date: 21 Oct 2007, 10:52:00 AM PST	<a href="#">Map of Counties</a>
Begin Location: Not Known	Forecast: SAN DIEGO COUNTY
End Date: 22 Oct 2007, 11:33:00 AM PST	Zones: MOUNTAINS
End Location: Not Known	affected:
Magnitude: 65 knots	
Fatalities: 0	
Injuries: 0	
Property \$ 10.0M	
Damage:	
Crop Damage: \$ 0.0K	

#### Description:

Wind gusts in excess of 70 mph toppled trees, damaged countless roofs, snapped power poles, and overturned high profile vehicles. Numerous large oaks and pines, some greater than 2 feet in diameter, were snapped at their bases. One large pine was seen hanging upside down from the top of some power lines near Wynola. Road signs that were not consumed by fire were toppled or snapped in half by the high winds. A few outbuildings were destroyed and several more were severely damaged. Downed power lines resulted in several large and devastating wildfires. At Julian, wind gusts of 50 mph or greater were observed for 18 consecutive hours while wind gusts of 40 mph or greater were observed for 39 hours (29 consecutive hours). At Descanso, wind gusts of 50 mph or greater were observed for 14 hours (4 consecutive hours) while wind gusts of 45 mph or greater were observed for 26 hours (15 consecutive hours). Very strong surface high pressure over the Great Basin and extreme packing of the isobars along the crest of the Transverse and Peninsula Ranges resulted in an extended period of very strong, damaging, Santa Ana winds in the mountains and valleys of Southern California. During the morning of the 22nd, the pressure gradient averaged an impressive 0.2 to 0.3 mb/mile across the mountain crests. For example, a 10 mb pressure gradient was observed over a distance of just 45 miles between Ontario and Apple Valley, a 9 mb pressure gradient was observed over a distance of just 35 miles between Borrego Springs airport and Ramona airport, and an 8 mb offshore pressure gradient was observed over a distance of just 25 miles between Rialto airport and Big Bear City airport. Widespread wind gusts in excess of 65 mph with local gusts near 80 mph were reported in the Inland Empire, San Bernardino foothills, Santa Ana mountains and foothills, and San Diego County mountains and foothills. Several locations in and below passes and canyons experienced tropical storm force winds or greater for more than 36 hours. A peak wind gust of 85 mph was measured at Fremont Canyon, 79 mph at Palm Elementary in San Bernardino, 75 mph at Descanso and Mira Loma, 74 mph at Fallbrook and Rancho Cucamonga, 69 mph at Potrero, 67 mph at Beaumont, 66 mph at Ontario, 63 mph at Case Springs and El Cariso, 62 mph at Campo prior to the power outage, 59 mph at Julian and Alpine, and 58 mph at Cameron and Chino. The strong winds downed countless trees and power poles, damaged many roofs, damaged fences, damaged or destroyed



outbuildings, damaged or destroyed road signs, overturned several high-profile vehicles, generated large dust storms, and fanned the flames of several large and devastating wildfires.

---

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S CITIZEN FIRST PAGE

[Disclaimer](#)

---

*This page dynamically generated 20 Jul 2009 from:*

*<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent-storms>*

*Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)*

*Please see the [NCDC Contact Page](#) if you have questions or comments.*



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: Wildfire  
Begin Date: 21 Oct 2007, 11:35:00 AM PST  
Begin Location: Not Known  
End Date: 31 Oct 2007, 00:00:00 AM PST  
End Location: Not Known  
Magnitude: 0  
Fatalities: 0  
Injuries: 0  
Property \$ 50.0M  
Damage:  
Crop Damage: \$ 0.0K

State: California  
[Map of Counties](#)  
Forecast San Diego County  
Zones Coasts, San Diego  
affected: County Mountains,  
San Diego County  
Valleys

#### Description:

The Witch Creek Fire was by far the largest of the October 2007 wildfires. The fire started around 12:35 pm on the 21st in Witch Creek Canyon near Santa Ysabel and quickly spread west to Ramona. By the morning of the 22nd, strong Santa Ana winds had pushed the fire into Rancho Bernardo, Poway and Escondido, causing significant damage. From there the fire jumped over Interstate 15 and continued west, causing additional damage in Lake Hodges, 4S Ranch, Del Dios and Rancho Santa Fe. Several hundred-thousand people were informed of mandatory evacuation orders via a reverse 911 system. The fire destroyed 1,125 homes, 509 outbuildings, and 239 vehicles. An additional 77 homes and 25 outbuildings were damaged. An older couple was killed in their home on Highland Valley Road when fire raced through their property during the early morning hours of the 22nd. The married couple next door nearly suffered the same fate, but survived the fire by jumping into their swimming pool as their home burned down. At least 40 firefighters and 2 civilians were injured during the fire. A total of 197,990 acres of brush, grasslands, and oak savannah was burned. The cause of the fire was determined to be down power lines. The Witch Fire cost \$18M to fight and was one of thirteen large, wind-driven wildfires to impact the San Diego CWA in late October.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A USER SURVEY

**FIRSTGOV**  
THE U.S. GOVERNMENT'S OPENLY ACCESSIBLE

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



## NCDC: Event Details

Page 1 of 1



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce

[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)Search Field: 

## Event Record Details

Event: Wildfire  
Begin Date: 21 Oct 2007, 11:55:00 AM PST  
Begin Location: Not Known  
End Date: 29 Oct 2007, 08:00:00 AM PST  
End Location: Not Known  
Magnitude: 0  
Fatalities: 0  
Injuries: 0  
Property \$ 0.0K  
Damage:  
Crop Damage: \$ 0.0K

State: California  
[Map of Counties](#)  
Forecast Zones: LOS ANGELES COUNTY  
affected: MOUNTAINS E

## Description:

The Buckweed Fire in the Aqua Dulce area burned 38,356 acres. The fire destroyed 21 homes. Three civilians and one firefighter were injured. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

HOW ARE WE DOING?  
A user survey

FIRST GOV  
THE U.S. GOVERNMENT'S CITIZEN FIRST PORTAL

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent-storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 13:30:00 PM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast
End Date: <b>21 Oct 2007, 13:30:00 PM PST</b>	Zones <b>SANTA MONICA</b>
End Location: <b>Not Known</b>	affected: <b>MOUNTAINS RECREAT</b>
Magnitude: <b>56 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>0.0K</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

The Malibu Hills RAWS sensor reported northeast winds gusting to 64 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OFFICIAL BLOG

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: Wildfire	State: California
Begin Date: 21 Oct 2007, 14:52:00 PM PST	<a href="#">Map of Counties</a>
Begin Location: Not Known	Forecast Zones: SAN BERNARDINO
End Date: 22 Oct 2007, 13:45:00 PM PST	affected: COUNTY VALLEY/T
End Location: Not Known	
Magnitude: 0	
Fatalities: 0	
Injuries: 0	
Property \$ 250.0K	
Damage:	
Crop Damage: \$ 0.0K	

#### Description:

The Roca Fire started on October 21 near Aguanga and burned 270 acres. One home was destroyed and one injury was reported.

[Privacy Policy](#)

HOW ARE WE DOING?  
A USER SURVEY

FIRSTGov  
THE U.S. GOVERNMENT'S VOICE ON THE WEB

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: <b>Wildfire</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 15:00:00 PM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast <b>SAN DIEGO COUNTY</b>
End Date: <b>30 Oct 2007, 05:00:00 AM PST</b>	Zones <b>MOUNTAINS</b>
End Location: <b>Not Known</b>	affected:
Magnitude: <b>0</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>300.0K</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

The McCoy Fire started October 21 in the Boulder Creek/Eagle Peak area of San Diego County and burned 300 acres. One residence and one outbuilding were destroyed.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A USER SURVEY

**FIRST GOV**  
THE U.S. GOVERNMENT'S CITIZEN FIRST PORTAL

[Disclaimer](#)

*This page dynamically generated 20 Jul 2009 from:*

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

*Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)*

*Please see the [NCDC Contact Page](#) if you have questions or comments.*



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: Wildfire  
Begin Date: 21 Oct 2007, 16:55:00 PM PST  
Begin Location: Not Known  
End Date: 31 Oct 2007, 23:58:00 PM PST  
End Location: Not Known  
Magnitude: 0  
Fatalities: 0  
Injuries: 16  
Property \$ 10.0M  
Damage:  
Crop Damage: \$ 0.0K

State: California  
[Map of Counties](#)  
Forecast Orange County  
Zones Coastal Plain, Santa  
affected: Ana Mountains And  
Foothi

#### Description:

The Santiago Fire was intentionally set on October 21 and burned 28,400 acres in Majdeska and Santiago Canyons. The fire destroyed 15 homes and 9 outbuildings. An additional 20 structures were damaged. Sixteen firefighters were injured during the blaze. The Santiago Fire cost \$21.6M to fight and was one of thirteen large, wind-driven wildfires to impact the San Diego CWA in late October.

[Privacy Policy](#)

HOW ARE WE DOING?  
A USER SURVEY

FIRST GOV  
THE U.S. GOVERNMENT'S OFFICIAL FIRST GOV

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 17:30:00 PM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast Zones: <b>VENTURA COUNTY</b>
End Date: <b>21 Oct 2007, 17:30:00 PM PST</b>	affected: <b>COASTAL VALLEYS</b>
End Location: <b>Not Known</b>	
Magnitude: <b>53 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>0.0K</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

The Cheeseboro RAWS sensor reported northeast winds gusting to 61 mph. Between October 20th and 24th, strong surface high pressure developed over the Great Basin and produced a strong and long-lasting Santa Ana wind event across Southern California. This particular Santa Ana wind event was the strongest and most widespread in recent memory with peak wind gusts over 100 mph reported at Laguna Peak and Whitaker Peak. The offshore winds produced very warm and dry conditions across Southern California which led to 9 different wildfires across Santa Barbara, Ventura and Los Angeles counties. Four of the wildfires exceeded 700 acres with one fire burning nearly 60,000 acres.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRST GOV**  
THE U.S. GOVERNMENT'S OFFICIAL BLOG

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgl.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.





NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

### Event Record Details

Event: <b>High Wind</b>	State: <b>California</b>
Begin Date: <b>21 Oct 2007, 19:14:00 PM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast <b>SAN DIEGO COUNTY</b>
End Date: <b>22 Oct 2007, 09:14:00 AM PST</b>	Zones <b>VALLEYS</b>
End Location: <b>Not Known</b>	affected:
Magnitude: <b>64 knots</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>10.0M</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

Wind gusts in excess of 70 mph toppled trees, damaged countless roofs, snapped power poles, and overturned high profile vehicles. Numerous large oaks and Eucalyptus were snapped at their bases. Road signs that were not consumed by fire were toppled or snapped in half by the high winds. A few outbuildings were destroyed and several more were severely damaged. Downed power lines resulted in several large and devastating wildfires. At Potrero, wind gusts of 60 mph or greater were observed for 11 hours (6 consecutive hours), and wind gusts in excess of 50 mph or greater were observed for 25 hours (17 consecutive hours). Very strong surface high pressure over the Great Basin and extreme packing of the isobars along the crest of the Transverse and Peninsula Ranges resulted in an extended period of very strong, damaging, Santa Ana winds in the mountains and valleys of Southern California. During the morning of the 22nd, the pressure gradient averaged an impressive 0.2 to 0.3 mb/mile across the mountain crests. For example, a 10 mb pressure gradient was observed over a distance of just 45 miles between Ontario and Apple Valley, a 9 mb pressure gradient was observed over a distance of just 35 miles between Borrego Springs airport and Ramona airport, and an 8 mb offshore pressure gradient was observed over a distance of just 25 miles between Rialto airport and Big Bear City airport. Widespread wind gusts in excess of 65 mph with local gusts near 80 mph were reported in the Inland Empire, San Bernardino foothills, Santa Ana mountains and foothills, and San Diego County mountains and foothills. Several locations in and below passes and canyons experienced tropical storm force winds or greater for more than 36 hours. A peak wind gust of 85 mph was measured at Fremont Canyon, 79 mph at Palm Elementary in San Bernardino, 75 mph at Descanso and Mira Loma, 74 mph at Fallbrook and Rancho Cucamonga, 69 mph at Potrero, 67 mph at Beaumont, 66 mph at Ontario, 63 mph at Case Springs and El Cariso, 62 mph at Campo prior to the power outage, 59 mph at Julian and Alpine, and 58 mph at Cameron and Chino. The strong winds downed countless trees and power poles, damaged many roofs, damaged fences, damaged or destroyed outbuildings, damaged or destroyed road signs, overturned several high-profile vehicles, generated large dust storms, and fanned the flames of several large and devastating wildfires.



NOAA Satellite and Information Service  
National Environmental Satellite, Data, and Information Service (NESDIS)



National Climatic  
Data Center  
U.S. Department of Commerce



[DOC](#) > [NOAA](#) > [NESDIS](#) > [NCDC](#)

Search Field:

Search NCDC

### Event Record Details

Event: <b>Wildfire</b>	State: <b>California</b>
Begin Date: <b>22 Oct 2007, 00:46:00 AM PST</b>	<a href="#">Map of Counties</a>
Begin Location: <b>Not Known</b>	Forecast <b>SAN DIEGO COUNTY</b>
End Date: <b>23 Oct 2007, 00:00:00 AM PST</b>	Zones <b>VALLEYS</b>
End Location: <b>Not Known</b>	affected:
Magnitude: <b>0</b>	
Fatalities: <b>0</b>	
Injuries: <b>0</b>	
Property \$ <b>50.0K</b>	
Damage:	
Crop Damage: <b>\$ 0.0K</b>	

#### Description:

The Coronado Hills Fire started October 22 and burned 250 acres south of Cal State San Marcos in San Diego County. Two outbuildings were destroyed in Discovery Hills and San Marcos.

[Privacy Policy](#)

**HOW ARE WE DOING?**  
A user survey

**FIRSTGOV**  
The U.S. Government's Official Web Portal

[Disclaimer](#)

This page dynamically generated 20 Jul 2009 from:

<http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

Please send questions or comments about this system to [Stuart.Hinson@noaa.gov](mailto:Stuart.Hinson@noaa.gov)

Please see the [NCDC Contact Page](#) if you have questions or comments.



## A.8 NOAA Satellite Services Division - Satellite Smoke Text Products

Source: <http://www.ssd.noaa.gov/PS/FIRE/smoke.html>

Unless otherwise indicated:

Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.

Only a general description of areas of smoke or significant smoke plumes will be analyzed.

A quantitative assessment of the density/amount of particulate or the vertical distribution is not included.

Widespread cloudiness may prevent the detection of smoke even from significant fires.

Smoke Text Product - Satellite Services Division Saturday, October 20, 2007  
DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY  
THROUGH 1600Z OCTOBER 20, 2007  
US/Canada:

No significant smoke/dust can be seen in morning/early afternoon GOES  
12/11 satellite imagery.

J Kibler

Smoke Text Product - Satellite Services Division Saturday, October 20, 2007  
DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY  
THROUGH 0100Z OCTOBER 21, 2007

California:

Fires in eastern Glenn and southwestern Yuba County in north central California emitted short puffs of thin smoke which moved very rapidly to the south through the Sacramento Valley. Farther to the south, a region of blowing dust was observed in the late afternoon and evening over southern California. The dust was most visible spreading southward across Santa Barbara and Ventura Counties and offshore over Santa Barbara Channel and over some of the Channel Islands. Another swath of blowing dust was moving southward across the San Joaquin Valley to just west of Bakersfield.

JS

Smoke Text Product - Satellite Services Division Sunday, October 21, 2007  
DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY  
THROUGH 1615Z OCTOBER 21, 2007

Southern California:

Wildfires burning in central Santa Barbara and southern Los Angeles counties are producing moderately dense to dense smoke moving southwest off the coast. Smoke is moving over the Channel and Santa Catalina Islands and into the Pacific Ocean.

A fire in southwest San Bernardino county is producing a moderately dense plume of smoke moving southwest across Orange county and into the Pacific Ocean.

Another fire can be seen in northeast Los Angeles county, but so far no smoke is visible.

J Kibler

Smoke Text Product - Satellite Services Division Sunday, October 21, 2007  
DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY  
THROUGH 0115Z OCTOBER 22, 2007

Southern California and Baja California:

Wildfires exploded today over southwest California during Santa Ana conditions and have produced a widespread area of smoke. Fires developed and spread rapidly in Santa Barbara, Ventura, Los Angeles, Orange, southwest San Bernardino, western Riverside and San Diego counties and also across the border in northern Baja. The smoke was all moving rapidly to the west and southwest and by sunset had reached about 250 nmi into the Pacific west of San Diego. The fires that were producing the thickest smoke were along the Ventura/Los Angeles border near Pyramid Lake, in western Los Angeles county just north of Castaic Lake, central San Diego county near Santa Ysabel and along the southern San Diego border near Tecate. Additionally, another fire erupted in Orange county near Orange just around sunset which has precluded visual smoke detection. However, it is likely that a thick smoke plume was also being produced by this fire that was then spreading across the southern Los Angeles metro area.

Blowing Dust:

Several areas of blowing dust were noted across the Southwest. A large area of dust was emanating from the region around the Salton Sea in southern California and blowing south into the Gulf of California. By sunset, this area of blowing dust covered the northern three-fourths of the Gulf of California. Areas of blowing dust were also originating from the west coast of Baja California. This area of dust was moving southwest into the Pacific Ocean and also mixing with smoke from the fires.

An area of blowing dust was being generated from White Sands New Mexico and moving south across El Paso Texas and into northern Mexico.

Another area of blowing dust was seen originating in west Texas near Midland and moving to the east-northeast.

Ruminski

Smoke Text Product - Satellite Services Division Monday, October 22, 2007  
DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY  
THROUGH 1615Z OCTOBER 22, 2007

Southern California and Baja California:

Moderate to very dense smoke plumes from numerous fires in Santa Barbara, Ventura, Los Angeles, Orange, San Bernardino, Riverside and San Diego counties are moving westward into the Pacific Ocean. Newly developing smoke plumes are also observed in the mountains of southwest San Bernardino county. Widespread smoke from these fires is observed over the Pacific Ocean from San Luis Obispo County southward extending up to 500 nmi offshore. Numerous but not quite as dense plumes are also observed along the West Coast of Baja California moving westward.

ALS

## A.9 Links and News Articles

Link to Wikipedia Information on October 2007 California Wildfires:

[http://en.wikipedia.org/wiki/October\\_2007\\_California\\_wildfires](http://en.wikipedia.org/wiki/October_2007_California_wildfires)

Link to NOAA Satellite and Information Service/NESDIS/NCDC Climate of 2007 Wildfire Season

Summary: <http://www.ncdc.noaa.gov/oa/climate/research/2007/fire07.html>

Link to NASA Images of California Wildfires:

[http://www.nasa.gov/vision/earth/lookingatearth/socal\\_wildfires\\_oct07.html](http://www.nasa.gov/vision/earth/lookingatearth/socal_wildfires_oct07.html)

Link to individual ICS-209 Fire Incident Reports for the October 2007 Wildfires:

[http://fam.nwcg.gov/fam-web/hist\\_209/hist\\_2007\\_r\\_209\\_gacc\\_sprd?v\\_gaid=SO](http://fam.nwcg.gov/fam-web/hist_209/hist_2007_r_209_gacc_sprd?v_gaid=SO)

### **LA Times Article 10/22/2007**

<http://articles.latimes.com/2007/oct/22/local/me-fire22>

**SOUTHLAND BLAZES: WIDESPREAD THREATS-**; Winds drive Southland wildfires;  
At least 39 homes lost, 1 killed as region remains at risk from Santa Anas

Los Angeles Times - Los Angeles, Calif.

Subjects: Evacuations & rescues, Property damage, Forest & brush fires, Wind

Author: Bettina Boxall; Scott Glover; Mitchell Landsberg

Date: Oct 22, 2007

Start Page: A.1

Section: Main News; Part A; Metro Desk

Text Word Count: 2162

Thousands of Southern California homes could be at risk in coming days as powerful Santa Ana winds continue to stoke wildfires, fire officials said. Blazes on Sunday scorched thousands of acres from the Mexican border to Santa Barbara County, destroyed at least 39 homes and other buildings and killed at least one person.

Some of the worst devastation has been in and around Malibu, where the losses included two beloved landmarks; in San Diego, where at least one person died and 14 were injured; and in the communities of Agua Dulce and Canyon Country, midway between Santa Clarita and Palmdale. At least 25 buildings there were destroyed and 3,800 remained threatened by a rapidly moving blaze driven by winds gusting to 80 mph. At least four people were reported injured, one severely.

In Orange County, a late-developing fire that broke out in the area of Silverado Canyon and Santiago Canyon roads quickly swelled Sunday evening and moved toward the Portola Springs and Northwood communities. At 11 p.m., fire officials said they were asking residents to evacuate two of the most endangered neighborhoods.

Orange County Fire Authority Capt. Stephen Miller said winds were blowing between 35 and 45 mph and firefighters were making a stand between homes and the blaze. "The biggest problem besides the winds is the tremendous amount of people congesting the highways to watch," he said.

In all, more than a dozen fires raged across the region, forcing thousands of residents to evacuate their homes. At least five firefighters were injured. Gov. Arnold Schwarzenegger declared a state of emergency in the affected areas.

It was not clear what caused most of the fires, but officials said downed power lines might be to blame for the Malibu and Agua Dulce blazes.

The Malibu fire, which had burned more than 2,200 acres, receded Sunday evening as winds died down there, but fire officials warned that it remained uncontained. "This fire is not over," Los Angeles County Fire Chief Michael Freeman said in a briefing at a command center in Malibu. "We're a long way from there at this point." Firefighters probably would not be able to contain the fire before Tuesday or Wednesday, he said.

The fires around the region were stoked by Santa Ana winds that peaked at hurricane strength. They were fueled by brush and timber that flourished during the wet winter of 2004-05 then was seared by a record drought over the last year.

"This was a conflagration that we knew was coming at some point," Los Angeles County Supervisor Zev Yaroslavsky said. "We were cruising for a bruising."

The National Weather Service issued a high-wind warning through Tuesday afternoon, and forecasters warned that wind speeds today could surpass those of Sunday. Los Angeles County Sheriff Lee Baca estimated that the fires would last five days.

The South Coast Air Quality District issued a warning that air quality in portions of Los Angeles County could reach unhealthful levels because of the fires and urged residents to avoid unnecessary outdoor activities in smoky areas.

Roughly 1,400 firefighters from throughout California were battling the Malibu blaze.

"We are at the mercy of the wind," said Malibu Mayor Pamela Conley Ulich after the firestorm had blown down through canyons and into the center of the seaside community, which is nearly as famous for its periodic disasters as it is for its \$60-million homes, billionaire residents and priceless ocean views. Malibu last suffered devastating fires in 1993 and 1996.

Among the losses this time were Castle Kashan, an ornate, 10,000-square-foot hillside home that loomed over Malibu Lagoon, and Malibu Presbyterian Church.

Some Malibu residents spent the night at Red Cross shelters in Agoura Hills or Pacific Palisades. Authorities closed Pacific Coast Highway and other major thoroughfares, while officials canceled classes today at Pepperdine University and six schools in the Malibu area.

The Agua Dulce blaze, dubbed the Buckweed fire, began shortly before 1 p.m. Sunday and grew in just a few hours into a dynamo that had charred roughly 12,500 acres. The fire moved so rapidly that firefighters had to move their command center five times, retreating gradually to Santa Clarita.

In San Diego, the fires drew immediate comparison to the devastating wildfires of October 2003. The Witch Creek Fire in northeastern San Diego County burned much the same terrain as the 2003 Cedar Fire, which burned for 10 days and claimed 15 lives. The larger Harris fire, along the U.S.-Mexico border, resulted in the only death reported in Sunday's blazes, a man believed to be an illegal immigrant seeking to cross the border. The fire also left four firefighters and at least 14 civilians injured, including a 15-year-old boy burned over 70% of his body. One home burned.

The fire spread through an area that is a common path for migrants from Mexico, and authorities feared the death and injury toll would rise.

The Malibu fire began shortly before 5 a.m. Sunday, four miles up Malibu Canyon from the Pacific Ocean, then sprinted south down the canyon toward the coast and the hilltop campus of Pepperdine University.

Pepperdine, which has taken pains to buffer itself from brushland, was largely unscathed, although university officials evacuated students to a main cafeteria to make sure they were safe. There are 1,800 students and faculty who live on campus.

Cady Tolon, a 21-year-old senior at the school, which is affiliated with the Church of Christ, said she "grabbed my Bible, my computer and my homework" when she was evacuated from her campus apartment. At first, the mood in the cafeteria was grim, she said, but spirits lifted as it became clear the school was spared the worst. Students passed the time reading, playing Twister and praying for the safety of firefighters, neighbors and the university itself.

The big lawn on the ocean side of Pepperdine became a staging area for fire equipment and a landing area for water-scooping helicopters that headed out to the Pacific to fill their tanks and then sped over canyons to shower the flames.

Some of the worst damage was immediately to the south, in and around the famous Malibu Colony and Malibu's commercial center. County fire maps showed that much of the area that burned Sunday had burned either in 1993, 1996 or both years.

The one exception was the area immediately around the Malibu Civic Center, which hadn't burned in at least 20 years. Fire officials said, however, that there was no obvious difference in fire patterns between areas that had or hadn't burned in recent years.

"All you need is just two or three years of brush to produce a fire," said county Fire Department spokesman Mike Brown. "The age of the brush almost doesn't matter when you have 50- to 60-mph winds that hinder firefighting efforts. And right now it is dry enough to keep the fires going. The rain from a couple of weeks ago wasn't enough."

Perhaps because of Malibu's history, many residents took a long view about the damage and said they were just grateful that no one had died.

Sharon Gee, 74, who has lived in Malibu for 47 years, sat on a plastic chair with her adult daughter in front of a beachfront home they own and rent out. A veteran of five Malibu fires, she lives in a ranch house above Malibu, where she said she had swung into action before dawn, moving her horses, wetting down the house and then evacuating.

She planned to return later to keep an eye on the house. "We're old sailors and we stand watch," she said.

"We seem pretty casual sitting here, but I'm kind of a wreck," she added. "I lay our fire hoses in April and May. Malibu has grown so much that the Fire Department can't take care of you."

Brian Gilmore, who moved to Topanga Canyon about a year ago from New York City, seemed surprised by the relatively laid-back attitude. That was especially true, he said, because he had survived an apartment fire in New York that killed two neighbors.

"You live in an area where there are a lot of fires, you become complacent," Gilmore said. "People just roll with it. Until it's on our doorsteps, we're not going to worry about it. I'm more concerned than the average person because of my past history."

On the ocean side of Pacific Coast Highway, fire damaged a Ralphs supermarket and a CVS pharmacy in the Malibu Colony Shopping Center. The Malibu Colony, which straddles the beach, was evacuated, but no damage was reported.

On the inland side of PCH, the flames laid waste to Castle Kashan and Malibu Presbyterian Church. The castle was built in 1978 and loomed like a Scottish baronial estate over central Malibu. Los Angeles County Fire Capt. Dennis Cross said firefighters tried to save the home, but flames spread under the building's foundation, leaving the fire crew with no options. A stone facade around the courtyard was all that remained.

Nearby, Pastor Greg Hughes of the Presbyterian church said he got a call at 6 a.m. saying there was a fire in the canyon and strong Santa Ana winds.

Hughes said he drove from his home near Zuma Beach and reached the church with other staffers about 6:30 a.m. A fire engine was already at the scene.

"There was thick smoke. I could hardly see anything," he said.

Sheriff's deputies arrived shortly afterward and told them to leave. He watched on television as the church burned down.

Less than a mile away, both Our Lady of Malibu Catholic Church and Webster Elementary School, which are close to each other along Winter Canyon Road, narrowly escaped.

Joe Lemonnier, 50, of Agoura, the owner of Malibu Glass and Mirror, next to the school, arrived at his business at 6 a.m. to find it engulfed in flames. He said firefighters made the decision to protect the school and could not help his business. He said he grabbed fire extinguishers from the school and aimed them at his one remaining trailer, saving it.

"It was so hot, it was just so intense, you can't get near it. It's going to mean a temporary adjustment, but it's all just material. Everybody got out," he said, referring to his tenants who lived in the rental property. "You think of a campfire being like a fire, but it's not like that. . . it's so much more intense, you can't get near it."

Among the other structures gutted was a home along Malibu Road. Its owner, Barbara T. Lindemann, said the house, built in 1927, was once inhabited by workers who built the railroad down the California coast. She said she has owned the home for 45 years.

Andy Lyon, a Realtor who helps rent the home for Lindemann, said it was worth \$12 million to \$13 million, and had burned once before, when singer John Phillips of the Mamas and the Papas lived there.

"I believe that it was the last standing one of the original Malibu cottages," said Lindemann, an attorney and expert in employment discrimination law. "It's a piece of Malibu history."

In Ventura County, the Night Sky fire, which started in the Lexington Community south of Moorpark, threatened some 250 homes and other buildings.

In San Bernardino County, the largest of three brush fires was about 300 acres near the Sierra Lakes subdivision in Fontana.

"That's our wind tunnel for the Santa Anas," said Tracey Martinez of the San Bernardino County Fire Department. Residents of about 500 homes were evacuated and one vacant structure burned, but authorities were hopeful they could head off any other damage.

[bettina.boxall@latimes.com](mailto:bettina.boxall@latimes.com)

[scott.glover@latimes.com](mailto:scott.glover@latimes.com)

[mitchell.landsberg @latimes.com](mailto:mitchell.landsberg@latimes.com)

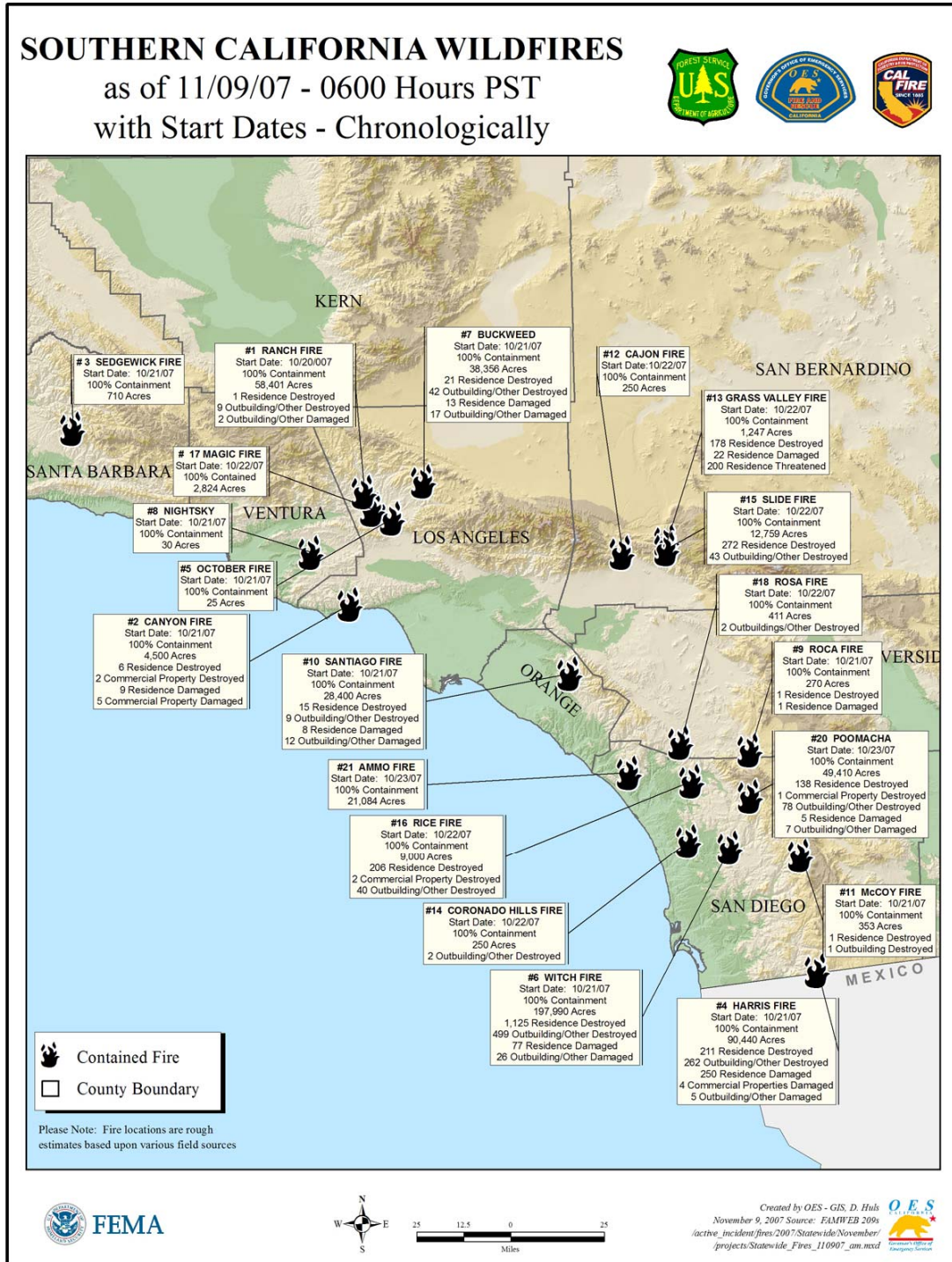
Contributing to the fire coverage were Times staff writers Mike Anton, Julie Cart, Rich Connell, Christopher Goffard, Duke Helfand, Molly Hennessy-Fiske, Steve Hyman, Rong-Gong Lin II, Richard Marosi, Tony Perry, Stuart Pfeifer, Catherine Saillant, Stuart Silverstein and John Spano.

Credit: Times Staff Writers

Reproduced with permission of the copyright owner. Further reproduction or distribution is prohibited without permission.

## A.10 Wildfire Information



### EOS Fire Summary Map





## California Office of Emergency Services/CalFire Joint Incident Briefing

Issued 12/22/2007: <http://www.wildlandfire.com/docs/2007/CA-Intel102207.pdf>



**GOVERNOR'S OFFICE OF EMERGENCY SERVICES  
CALIFORNIA DEPARTMENT OF FORESTRY  
AND FIRE PROTECTION  
California Joint Incident Briefing  
10/22/2007 1000 hours**

**Weather Report - Northern Region**

The North Ops region will be under the influence of high pressure through Wednesday. Northeasterly and easterly surface winds will be gusty at times on ridges and exposed areas through early Tuesday, and briefly in localized areas again Tuesday night. This pattern will also produce low humidity with poor overnight humidity recovery until Wednesday. Low pressure will develop off the central CA coast late in the week and turn winds to a southerly direction and bring increasing humidity.

**Weather Report - Southern Region**

**\*\*\*WIDESPREAD STRONG SANTA ANA WINDS OVER SOUTHERN CALIFORNIA THROUGH WEDNESDAY \*\*\***

**\*\*\*WELL ABOVE NORMAL TEMPERATURES AND VERY DRY ACROSS THE REGION THROUGH WEDNESDAY \*\*\***

A strong ridge of high pressure over California will bring well above normal temperatures and very low humidity to the region through Wednesday. Temperatures will be 10 to 20 degrees above normal and minimum humidity will be in the single digits and teens across the region through Wednesday. There will be widespread strong and gusty north to east winds over Southern California through Wednesday morning. Winds will be 20 to 40 mph with much higher gusts over the mountains and below the canyons and passes of Southern California through Tuesday morning. Winds will start to decrease over Southern California Tuesday afternoon and become light by Wednesday night. The ridge of high pressure will weaken as a Pacific trough drops down the West Coast bringing a cooling trend and an increase in humidity Thursday through this weekend. This trough will also cause the marine layer to reform starting Friday morning and it may become quite deep by Saturday morning.

**Summary of Cal Fire Resources Assigned to Major Emergency Incidents**

•	73	Engines
•	43	Crews
•	5	Dozers
•	1	Helicopters
•	4	Air Tankers
•	2	Mobile Communications Center (MCC)
•	1	Mobile Kitchen Unit (MKU)
•	20	Overhead
•	790	Total Personnel

**Summary of OES and Local Government Resources Assigned to Major Emergency Incidents**

•	102	OES Engines
•	10	OES Water Tenders
•	2	OES Support Units
•	11	OES Chief Officers
•	1	OES Fire Mechanic
•	329	Local Government Engines
•	24	Local Government Water Tenders
•	7	National Guard Helicopters

MACS Mode	4
CWCG Preparedness Level	3
National Preparedness Level	1

**STATE INCIDENTS**

CA-MVU-010427      Fire Name: Harris  
 Lat:      32° 35' 28"      Long:      116° 35' 5"

**Location:**

Acres Burned To Date:      20,000  
 % Contained:      0%  
 Start Date & Time:      10/21/2007 0930 hours  
 Fire Cause:      Under Investigation  
 Cost To Date:      Unknown  
 Structures Threatened:      Multiple  
 Structures Destroyed:      Unknown  
 Structures Damaged:      Unknown  
 Est. Contained (date and time):      Unknown  
 Est. Controlled (date and time):      Unknown  
 Fuel Types:      2 Feet brush and Grass

Resources Committed:	Total	Cal Fire	Federal	LGR	CWN	Other
Engines:	15	7	5	3	0	0
Crews:	6	5	1	0	0	0
Dozers:	2	2	0	0	0	0
Helicopters:	2	0	0	2	0	0
Airtankers:	3	3	0	0	0	0
Water Tenders:	5	0	0	5	0	0
Mobile Communication Centers (MCC)	1					
Mobile Kitchen Units (MKU)	0					
Over Head:	13	5	2	6	0	0
Total Personnel:	275	175	35	65	0	0
Injuries:	4					
Fatalities:	0					
Comments:						

Severe winds continue to hamper suppression efforts. Mandatory evacuations in Coyote Holler, Round Potero and Deer Horn Valley. Evacuation center established at Steel Canyon High School. Cooperating Agencies:

CA-MVU-10432      Fire Name: Witch  
 Lat:      33° 7' 5"      Long:      117° 12' 59"  
 Location:      Witch Creek east of Ramona  
 Acres Burned To Date:      10,000  
 % Contained:      0%  
 Start Date & Time:      12/21/2007 1235 hou  
 Fire Cause:      Under Investigation  
 Cost To Date:      Unknown  
 Structures Threatened:      2450  
 Structures Destroyed:      Unknown  
 Structures Damaged:      Unknown  
 Est. Contained (date and time):      Unknown  
 Est. Controlled (date and time):      Unknown  
 Fuel Types:      Timber, Grass, Brush  
 Resources Committed:

	Total	Cal Fire	Federal	LGR	CWN	Other
Engines:	33	22	6	5	0	0
Crews:	26	25	1	0	0	0
Dozers:	1	1	0	0	0	0
Helicopters:	0	0	0	0	0	0
Airtankers:	1	1	0	0	0	0
Water Tenders:	2	0	0	2	0	0
Mobile Communication Centers (MCC)	1					
Mobile Kitchen Units (MKU)	0					
Over Head:	18	5	2	11	0	0
Total Personnel:	369	279	50	40	0	0
Injuries:	0					
Fatalities:	0					

Comments:

The fire is expected to burn through the community of Ramona. Moving west and southwest. Command will transition to CAL FIRE Team #10 (Kerschen) at 1100 today. ICP located at Ramona Fairgrounds. Community or Ramona under evacuation. Hwy 78 closed from Ramona to Santa Ysabel. Hwy 67 closed from Poway Road to Ramona. Spotting occurring up to 1 mile in front of the fire. Rapid rate of spread downhill burning down canyon. Fire burning primarily in unburned fuel between the paradise fire (2003) and the Cedar Fire (2003). Numerous new starts in the surrounding areas due to spotting and electrical wires being blown down.

Cooperating Agencies:

San Diego Sheriff, CHP, Red Cross, San Diego PD, Escondido PD, San Diego Animal Control, and San Diego Gas and Electric.

CA-RRU-91948      Fire Name: Roca  
 Lat:      33° 27' 21"      Long:      116° 51' 34"  
 Location:      Aguanga, east of Temecula (Riverside County)  
 Acres Burned To Date:      250  
 % Contained:      40%

Start Date & Time: 10/21/2007 1552 hou  
 Fire Cause: Under Investigation  
 Cost To Date: Undetermined  
 Structures Threatened: 300  
 Structures Destroyed: 2 (1 Residence and 1 outbuilding)  
 Structures Damaged: None reported  
 Est. Contained (date and time): 10/22/2007  
 Est. Controlled (date and time):  
 Fuel Types: 4 Chapperral (6 feet)  
 Resources Committed:  

	Total	Cal Fire	Federal	LGR	CWN	Other
Engines:	37	7	8	22	0	0
Crews:	7	7	0	0	0	0
Dozers:	3	2	0	0	1	0
Helicopters:	0	0	0	0	0	0
Airtankers:	0	0	0	0	0	0
Water Tenders:	5	0	1	4	0	0
Mobile Communication Centers (MCC)	0					
Mobile Kitchen Units (MKU)	0					
Over Head:	14	5	1	8	0	0
Total Personnel:	283	165	35	82	1	0
Injuries:	0					
Fatalities:	0					

 Comments:  
 Wind driven fire with dangerous rates of spread is burning south toward the Cleveland National Forest including the Agua Tibea Wilderness and the Palomar Mountain State Park with a potential of eight to ten thousand acres; Mandatory evacuation of Jojoba Hills resort with Evac Center set up at Temecula Community Center; A strike team of Cal Fire T3 engines en route to fires in San Diego reported the fire, engaged in aggressive initial attack, and contributed to fire being only 250 acres.

Cooperating Agencies:  
 USFS, Riverside County Fire Department, Riverside County Sheriff, CHP

### **FEDERAL INCIDENTS**

CA-ANF-4306 Fire Name: Ranch  
 Lat: 34° 34' 23" Long: 118° 41' 43"  
 Location: 6 miles north of Castaic (Los Angeles County)  
 Acres Burned To Date: 29,000  
 % Contained: 10%  
 Start Date & Time: 10/20/2007 2142 hours  
 Fire Cause: Under Investigation  
 Cost To Date:  
 Structures Threatened: 250  
 Structures Destroyed: 2 - (1 residence, 1 outbuilding)  
 Structures Damaged: 0  
 Est. Contained (date and time): 10/31/2007  
 Est. Controlled (date and time):  
 Fuel Types: 4 Chaparrel (6 feet)

Resources Committed:	Total	Cal Fire	Federal	LGR	CWN	Other
Engines:	51	0	43	8	0	0
Crews:	15	0	13	0	2	0
Dozers:	5	0	3	2	0	0
Helicopters:	6	0	6	0	0	0
Airtankers:	0	0	0	0	0	0
Water Tenders:	9	0	2	0	7	0
Mobile Communication Centers (MCC)	0					
Mobile Kitchen Units (MKU)	0					
Over Head:	22	0	14	8	0	0
Total Personnel:	653	0	0	0	0	0
Injuries:	0					
Fatalities:	0					
Comments:						
<p>Control problems due to extreme wind conditions, steep terrain, infrastructure including Interstate 5 and multiple power and pipelines; Fire may burn across State Route 126, which is closed. Evacuations in communities of Halsey, Oak Canyon, Val Verde, and Piru; Ecav Center at Saugus High School; Large Animal Evac to Ventura County Fairgrounds, small animal evac to Camarillo Animal Shelter; Actions planned are to hold existing lines on the east and north flanks, construct line on the south and west and to provide structure protection.</p> <p>Cooperating Agencies: USFS, Los Angeles County FD, Los Angeles County Sheriff, Los Angeles County Animal Control, CHP</p>						
CA-LPF-11783	Fire Name: Sedgewick					
Lat: 34° 44' 3"	Long: 120° 0' 18"					
Location:	Brinkerhoff Road - Sedgewick/Figueroa Mountain					
Acres Burned To Date:	710					
% Contained:	50%					
Start Date & Time:	10/21/2007 0600 hou					
Fire Cause:	Under Investigation					
Cost To Date:	Unknown					
Structures Threatened:	451					
Structures Destroyed:	0					
Structures Damaged:	0					
Est. Contained (date and time):	Unknown					
Est. Controlled (date and time):	Unknown					
Fuel Types:	Short Grass (1foot) - 4 Chaarral (6 feet)					
Resources Committed:	Total	Cal Fire	Federal	LGR	CWN	Other
Engines:	25	2	6	17	0	0
Crews:	12	0	10	2	0	0
Dozers:	4	0	2	2	0	0
Helicopters:	5	0	3	2	0	0
Airtankers:	2	0	2	0	0	0
Water Tenders:	4	0	2	2	0	0
Mobile Communication Centers (MCC)	0					
Mobile Kitchen Units (MKU)	0					

Over Head:	38	1	10	27	0	0
Total Personnel:	412	29	256	127	0	0
Injuries:	0					
Fatalities:	0					
Comments:						
200 RESIDENTS IN THE WOODSTOCK AREA ARE UNDER AN EVACUATION WARNING. 250 HOMES IN THE BRINKERHOFF RD ARE ALSO THREATENED. HIGH POTENTIAL FOR FIRE SPREAD SOUTH/SOUTH WEST IF SIGNIFICANT WINDS DEVELOP. HAND CREWS CONTINUE TO DIRECT LINE CONSTRUCTION.						
Cooperating Agencies:						
Santa Barbara County Sheriffs, CHP, CAL FIRE						
<b><u>LOCAL INCIDENTS</u></b>						
CA-LAC-7231849	Fire Name: Canyon					
Lat: 34° 3' 24"	Long: 118° 41' 39"					
Location:	Malibu Canyon south of the Pacific Coast Hwy					
Acres Burned To Date:	2,400					
% Contained:	10%					
Start Date & Time:	10/21/2007 0455 hou					
Fire Cause:	Under Investigation					
Cost To Date:	Unknown					
Structures Threatened:	900					
Structures Destroyed:	7					
Structures Damaged:	14					
Est. Contained (date and time):	Unknown					
Est. Controlled (date and time):	Unknown					
Fuel Types:	Chapparal 6 feet tall, heavy brush and frost kill fuel					
Resources Committed:	Total	Cal Fire	Federal	LGR	CWN	Other
Engines:	162	10	0	127	0	25
Crews:	17	0	0	17	0	0
Dozers:	2	0	0	2	0	0
Helicopters:	14	1	2	10	0	1
Airtankers:	2	0	0	2	0	0
Water Tenders:	6	0	1	5	0	0
Mobile Communication Centers (MCC)	0					
Mobile Kitchen Units (MKU)	1					
Over Head:	94	2	2	87	0	3
Total Personnel:	1446	14	44	1272	0	116
Injuries:	0					
Fatalities:	0					
Comments:						

NUMEROUS HIGH VALUE RESIDENTIAL AND COMMERCIAL STRUCTURES THREATENED IN COMMUNITIES OF MONTE NIDO, MALIBU COLONY (ALONG MALIBU ROAD), SWEET WATER CANYON, CARBON CANYON, CARBON MESA, RAMBLA PACIFICA, BIG ROCK, LOS FLORES CANYON, PACIFIC COAST HWY. ALSO THREATENED ARE MALIBU CITY HALL, PEPPERDINE UNIVERSITY, MALIBU PIER, SERRA RETREAT, LA CTY PUBLIC WORKS MAINTENANCE YARDS, TOPANGA COMMUNITY AND SUNSET MESA. LOSS OF ELECTRICAL INFRASTRUCTURE OVER LARGE AREA OF MALIBU COAST. STRONG SANTA ANA CONDITION RESULTING IN WIND DRIVEN FIRE WITH SPOTTING ONE HALF MILE IN FRONT OF FIRE LINE. INCIDENT COMMAND POST ESTABLISHED IN MALIBU CITY HALL. MANDATORY EVACUATIONS IN: MONTE NIDO, MALIBU COLONY ALONG MALIBU ROAD, SWEET WATER CANYON, PUERCO CANYON, CARBON CANYON, CARBON MESA, RAMBLA PACIFICA, BIG ROCK, AND TOPANGA CANYON ( TACTICAL ZONE 8). VOLUNTARY EVACUATIONS: CORRAL CANYON, SUNSET MESA IN TOPANGA CANYON (TACTICAL ZONES 5, 6, 7 & 9) ROAD CLOSURES: PCH BETWEEN TOPANGA CANYON AND KANAN-DUME RD, MALIBU CYN BETWEEN PCH & PIUMA RD. EVACUATION CENTERS: AGOURA HS, PALISADES HS. SCHOOL CLOSURES: MALIBU HS, WEBSTER ELEMNETARY, PT. DUME ELEM

Cooperating Agencies:

CA-LAC-07232185	Fire Name: Buckweed					
Lat: 34° 31' 42"	Long: 118° 20' 38"					
Location:	Mint Canyon Road and Sierra Hwy.					
Acres Burned To Date:	20,000					
% Contained:	10%					
Start Date & Time:	10/21/2007 1430 hou					
Fire Cause:	Under Investigation					
Cost To Date:	Unknown					
Structures Threatened:	4,100					
Structures Destroyed:	0					
Structures Damaged:	20					
Est. Contained (date and time):	Unknown					
Est. Controlled (date and time):	Unknown					
Fuel Types:	4 Chaparral )6 feet) Grass and mixed brush 2-6 feet					
Resources Committed:	Total	Cal Fire	Federal	LGR	CWN	Other
Engines:	81	25	0	56	0	0
Crews:	22	6	2	14	0	0
Dozers:	2	0	0	2	0	0
Helicopters:	4	0	0	4	0	0
Airtankers:	0	0	0	0	0	0
Water Tenders:	2	0	0	2	0	0
Mobile Communication Centers (MCC)	0					
Mobile Kitchen Units (MKU)	0					
Over Head:	62	2	4	56	0	0
Total Personnel:	645	128	44	473	0	0
Injuries:	0					
Fatalities:	0					
Comments:						

Incident exceeds capabilities of available resources. High winds associated with extreme Santa Ana conditions. Red Flag weather conditions predicted for the next 48 to 72 hours. Critically low fuel moisture. Heavy smoke in the affected areas. Large number of residential structures in the path of fire. Fire burning towards the Magic Mountain area of Santa Clarita. Evacuations continue in affected areas. Major transmission lines threatened.

Cooperating Agencies:

USFS LASD, LA COUNTY ANIMAL CONTROL, CITY OF SANTA CLARITA, SOUTHERN CALIFORNIA  
EDISON, LA DWP, CHP



## **California Governor's Fact Sheet on 2007 Wildfires**

Issued 11/6/2007: <http://gov.ca.gov/fact-sheet/8020>

Southern California Fires at a Glance...

### **San Diego County**

[Poomacha Fire](#) – 49,410 acres – 95% contained  
[Witch Fire](#) – 197,990 acres – 100% contained  
[Harris Fire](#) – 90,440 acres – 100% contained  
[Rice Fire](#) – 9,472 acres – 100% contained  
[Horno/Ammo Fire](#) – 21,004 acres – 100% contained  
[Wilcox Fire](#) – 100 acres – 100% contained  
[Cajon Fire](#) – 250 acres – 100% contained  
[McCoy Fire](#) – 300 acres – 100% contained  
[Coronado Hills Fire](#) – 300 acres – 100% contained

### **San Bernardino County**

[Slide Fire](#) – 12,759 acres – 100% contained  
[Grass Valley Fire](#) – 1,247 acres – 100% contained  
[Martin Fire](#) – 123 acres – 100% contained  
[Walker Fire](#) – 160 acres – 100% contained

### **Orange County**

[Santiago Fire](#) – 28,400 acres – 90% contained

### **Los Angeles County**

[Ranch Fire](#) – 58,401 acres – 100% contained  
[Canyon Fire](#) – 4,565 acres – 100% contained  
[Magic Fire](#) – 2,824 acres – 100% contained  
[Buckweed Fire](#) – 38,356 acres – 100% contained  
[Meadowridge Fire](#) – 40 acres – 100% contained

### **Santa Barbara County**

[Sedgewick Fire](#) – 710 acres – 100% contained

### **Riverside County**

[Rosa Fire](#) – 411 acres – 100% contained  
[Roca Fire](#) – 270 acres – 100% contained

### **Ventura County**

[Nightsky Fire](#) – 35 acres – 100% contained

### **Poomacha Fire**

**Highway 76, Pauma Valley/Cleveland National Forest**

**San Diego County**

This fire started October 23 as a structure fire on the Lajolla Indian Reservation. It has burned 49,410 acres and is 95 percent contained. Full containment is expected November 11. The Poomacha Fire has joined with the Witch Fire to the south. 138 homes, 1 commercial property and 78 outbuildings have been destroyed.

This fire has resulted in 15 firefighter injuries. 1,284 firefighters are currently assigned to this incident. The estimated cost of this fire to date is \$17.2 million. Poomacha Fire Information Line (619) 590-3160.

[Poomacha Fire Map 10/26/07](#)

**Santiago Fire**  
**Santiago Canyon Road at Silverado Canyon Road**  
**[Orange County](#)**

This fire has burned 28,400 acres and is 90 percent contained. Full containment is expected November 6. Evacuation orders have been lifted, and residents are being allow to return to their homes. Santiago Canyon Road has been re-opened.

15 homes and 9 outbuildings have been destroyed, and 8 residential structures and 12 outbuildings were damaged. 1,199 people are assigned to this incident and 16 firefighter injuries have been reported. The estimated cost of this fire to date is \$18.6 million.

The Santiago Fire has been determined to be arson-caused. Santiago Fire Information Line (714) 573-6200.

[Santiago Fire Map 10/26/07](#)

**Slide Fire**  
**[San Bernardino National Forest](#)**  
**Green Valley Lake near Running Springs**  
**San Bernardino County**

This fire has burned 12,759 acres at Green Valley Lake near Running Springs in San Bernardino County and is 100 percent contained. 272 homes were destroyed and 43 were damaged. All mountain communities and roads are open. A closure order for the San Bernardino National Forest is in effect.

510 firefighters are currently assigned to this fire. Eight firefighter injuries have been reported. The estimated cost of this fire to date is \$22.3 million. Slide Fire Information Line (909) 383-5688.

[Slide Fire Map 10/26/07](#)

**Witch Fire**  
**Witch Creek Area East of Ramona**  
**San Diego County**

This fire has burned 197,990 acres and is 100 percent contained. The Witch Fire has joined the Poomacha fire in the north. Evacuations are lifted. 1,141 homes and 509 outbuildings have been destroyed. 77 homes and 8 outbuildings have been damaged. Additionally, 239 vehicles have been destroyed.

224 firefighters are assigned to this incident under unified command. There have been 40 injuries to firefighters, and two civilian fatalities reported. The estimated cost of this fire to date is \$18 million.

Witch Fire Information Line (619) 590-3160.

[Witch Fire Map 10/26/07](#)

**Harris Fire**  
**Harris Ranch Road & Hwy 94**  
**San Diego County**

This fire burned 90,440 acres and is 100 percent contained. The fire started on October 21 at Harris Ranch Road and Highway 94 in Portrero in San Diego County. There have been 21 civilian and 41 firefighter injuries, as well as five deaths on this fire. 253 homes, 2 commercial properties and 293 outbuildings have been destroyed, and 15 additional structures are damaged. All evacuations have been lifted. 756 firefighters are assigned under a unified command. The estimated cost of this fire to date is \$21 million. Harris Fire Information Line (619) 449-1462.

[Harris Fire Map 10/26/07](#)

[All Evacuation Orders Lifted 10/27/07](#)  
[Harris Fire Fact Sheet 10/31/07](#)

**Grass Valley Fire**  
**San Bernardino National Forest**  
**San Bernardino County**

This fire burned 1,247 acres northwest of Lake Arrowhead and is 100 percent contained. 178 structures were destroyed and 22 more were damaged. Evacuations have been lifted. A closure order remains in effect for the San Bernardino National Forest. One injury was reported. 132 firefighters are assigned to this incident currently. The estimated cost of this fire to date is \$7.1 million. Grass Valley Fire Information Line (909) 383-5688.

[Grass Valley Fire Map 10/26/07](#)

**Ranch Fire - FINAL**  
**Angeles National Forest**  
**Los Angeles County**

This fire has burned 58,401 acres since October 20 and is 100 percent contained. It began six miles north of Castaic in Los Angeles County. One home and nine outbuildings were destroyed. The estimated cost of this fire is \$9 million. Ranch Fire Information Line (626) 821-6700.

**Horno/Ammo Fire - FINAL**  
**Camp Pendleton**  
**San Diego County**

The Horno/Ammo Fire has burned 21,004 acres since October 23 and is now 100 percent contained. 69 firefighters are still assigned to this incident and six firefighters have been injured. The estimated cost of this fire is \$700,000. Horno/Ammo Fire Information Line at (866) 430-2764.

[Horno/Ammo Fire Map 10/26/07](#)

**Rice Fire - FINAL**  
**Rice Canyon**  
**San Diego County**

This fire burned 9,472 acres in Rice Canyon in Northern San Diego County and is now 100 percent contained. 206 homes, 2 commercial properties and 40 outbuildings were destroyed. 264 firefighters are still assigned to this fire under unified command. The estimated cost of this fire is \$6.5 million. Rice Fire Information Line (619) 590-3160.

[Rice Fire Map 10/26/07](#)

**Canyon Fire - FINAL**  
**Malibu Canyon**  
[Los Angeles County](#)

This fire has burned 4,521 acres and is 100 percent contained. Evacuations have been lifted. 22 structures have been damaged or destroyed. Three injuries have been reported. The estimated cost of this fire to date is \$5.8 million. Canyon Fire Information Line (323) 881-2411.

**Cajon Fire - FINAL**  
**I-15/Kenwood in Devore**  
**San Bernardino County**

This fire started October 22 and has burned 250 acres. The fire is 100 percent contained. Cajon Fire Information line (909) 383-5688.

**Rosa Fire - FINAL**  
**Near Temecula**  
**Riverside County**

This fire burned 411 acres and is 100 percent contained. Two outbuildings were destroyed by this fire. Evacuations have been lifted and residents may return to their homes. All roads are open. Rosa Fire Information Line (951) 940-6985.

**Sedgewick Fire - FINAL**  
**Brinkerhoff Rd/Sedgewick Ranch/ Figueroa Mountain**  
**Santa Barbara County**

This fire, caused by arching power lines, burned 710 acres and is now 100 percent contained. 30 personnel are assigned to this fire. Sedgewick Fire Information Line (805) 681-5546.

**Coronado Hills Fire - FINAL**  
**South of Cal State San Marcos**  
**San Diego County**

This fire started October 22 and burned 250 acres south of Cal State San Marcos in San Diego County. Two outbuildings were destroyed in Discovery Hills and San Marcos. It is now 100 percent contained. Coronado Hills Fire Line (619) 590-3160.

**Roca Fire - FINAL**  
**East of Temecula**  
**Riverside County**

The Roca Fire burned 270 acres since October 21 and is 100 percent contained. All evacuation orders have been lifted. One home was destroyed and one injury was reported. Roca Fire Information Line (951) 940-6985.

**Walker Fire - FINAL**  
**Northwest of Lake Arrowhead**  
**San Bernardino County**

This fire burned 160 acres northwest of Lake Arrowhead in San Bernardino County and is now 100 percent contained. The evacuation center is now closed. Walker Fire Information line (909) 383-5688.

**McCoy Fire - FINAL**  
**Cleveland National Forest**  
**San Diego County**

This fire burned 300 acres and is 100 percent contained. The fire started October 21 in the Boulder Creek/Eagle Peak area of San Diego County. One residence and one outbuilding were destroyed. McCoy Fire Information Line (619) 590-3160.

**Wilcox Fire - FINAL**  
**Camp Pendleton**  
**San Diego County**

This 100 acre fire on Camp Pendleton is now 100% contained. Wilcox Fire Information Line (866) 430-2764.

**Meadowridge Fire - FINAL**  
**Santa Clarita - 14 Freeway, San Fernando**  
**[Los Angeles County](#)**

This 40 acre fire began at 12:30 October 23 and is now 100 percent contained. No communities are currently threatened. 182 firefighters are assigned to this fire under Los Angeles County command. Meadowridge Fire Information Line (323) 881-2411.

**Buckweed Fire - FINAL**

**Mint Canyon Road at Sierra Hwy**

**Los Angeles County**

This fire burned 38,356 acres and is 100 percent contained. The fire started October 21 and is burning at Mint Canyon Road and Sierra Highway in Los Angeles County toward Magic Mountain. 30 structures were damaged and 63 structures have been destroyed. Three civilians and one firefighter were injured. The estimated cost of this fire to date is \$7.4 million. Buckweed Fire Information Line (323) 881-2411.

**Magic Fire - FINAL**

**Old Cross Road at Magic Mountain Parkway**

**Los Angeles County**

The Magic Fire has burned 2,824 acres since October 22 and is now 100 percent contained. Bouquet Canyon Road from Spunky Canyon to Shadow is closed. Magic Fire Information Line (323) 881-2411.

**Martin Fire - FINAL**

**Martin Ranch Road at Meyers Road**

**San Bernardino County**

This fire in the San Bernardino National Forest began at 9 a.m. October 23 and has burned 123 acres. It is 100 percent contained. 77 firefighters are assigned to this incident under unified command and one firefighter injury has been reported. One home has been damaged. No structures are threatened at this time. All evacuation notices have been lifted.

**Night sky Fire - FINAL**

**2 miles south of Moorpark**

**Ventura County**

This fire is in Ventura County and began at 10:35 a.m. October 21 and burned 35 acres. It is 100 percent contained.

## A.11 AQMD Advisories

### SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT WINDBLOWN DUST & SMOKE ADVISORIES SUNDAY, OCTOBER 21, 2007

**Valid Sunday, October 21 and Monday, October 22, 2007**

Due to wildfires in Malibu Canyon and in the Santa Clarita area, localized areas of smoke and ash may occur. As a result, **concentrations of fine particulates may reach the Unhealthy for Sensitive Groups level or higher in localized areas that are directly impacted by smoke**, i.e. areas that can see and smell smoke. The primary smoke impacts in Los Angeles County will be in the Santa Clarita Valley (Area 13), the Northwest Coastal Los Angeles County (Area 2), and possibly the West San Fernando Valley (Area 6).

***All individuals are urged to exercise caution and avoid unnecessary outdoor activities in the smoke impacted areas. People with respiratory or heart disease, the elderly and children should limit prolonged exertion in smoke impacted areas.***

Furthermore, a strong Santa Ana wind event is bringing gusty winds from the northeast through and below the passes and canyons of the South Coast Air Basin. **Windblown dust has caused elevated PM10 particulate matter concentrations throughout much of the Basin**, with the highest concentrations downwind of the windiest areas in the Inland Empire, Orange County and Eastern and South Coastal Los Angeles County. At this time, the 24-hour average **PM10 has reached the Unhealthy level in most of San Bernardino and Riverside County areas west of the Mountains**. PM10 concentrations are also currently nearing Unhealthy concentrations in areas of Orange County, South Coastal Los Angeles County, the eastern Los Angeles County valleys and the Hemet and Lake Elsinore areas. The strong Santa Ana winds, blowing dust and areas of unhealthy air quality are predicted to continue through Monday.

***All individuals are urged to exercise caution and minimize outdoor activities in the dust impacted areas. People with respiratory or heart disease, the elderly and children should limit prolonged exertion in dust impacted areas.***

#### **What To Do When Air Pollution Reaches Unhealthy Levels**

In areas with **UNHEALTHY-SENSITIVE** (AQI of 101 to 150) air quality, sensitive or susceptible persons, such as those with heart or lung disease, should minimize outdoor activity.

In areas with **UNHEALTHY** (AQI of 151 to 200) air quality or an **Ozone HEALTH ADVISORY Alert** (AQI of 151 to 200 for 1-hour ozone), everyone should discontinue prolonged, vigorous outdoor exercise lasting longer than one hour. Examples of the kinds of outdoor activities that should be avoided are calisthenics, basketball, running, soccer, football, tennis, swimming laps, and water polo. Susceptible persons, such as those with heart or lung disease, should avoid outdoor activity entirely.

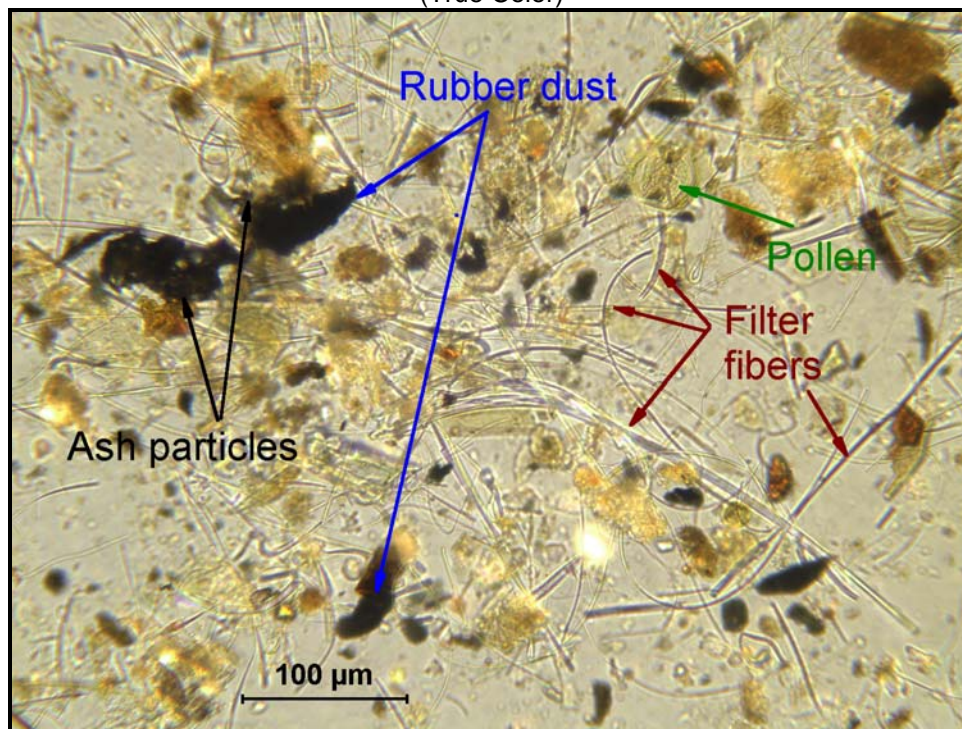
In areas with **VERY UNHEALTHY** (AQI of 201 or above) air quality or an **Ozone STAGE-1 Alert** (AQI of 201 or above for 1-hour ozone), everyone should discontinue all vigorous outdoor activities regardless of duration.



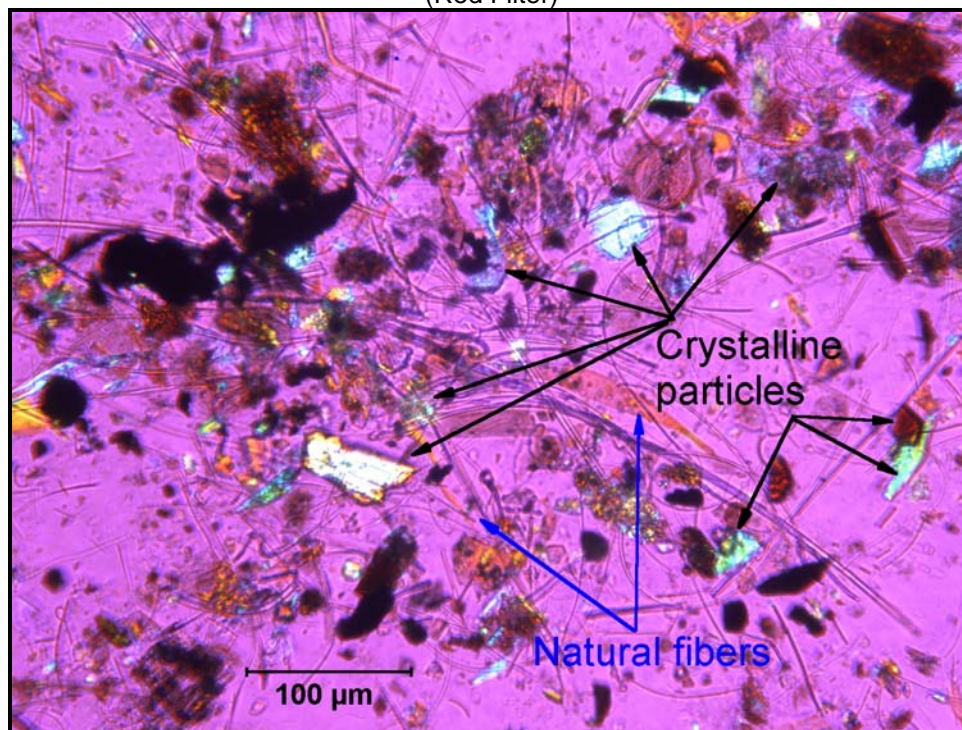
## A.12 AQMD PM10 Filter Microscopy Analysis

### Santa Clarita Air Monitoring Station

(True Color)



(Red Filter)



## A.13 National Weather Service 500 MB Analyses

Every 12 hours between 0400 PST Saturday, October 20 and 0400 PST Monday, October 22, 2007

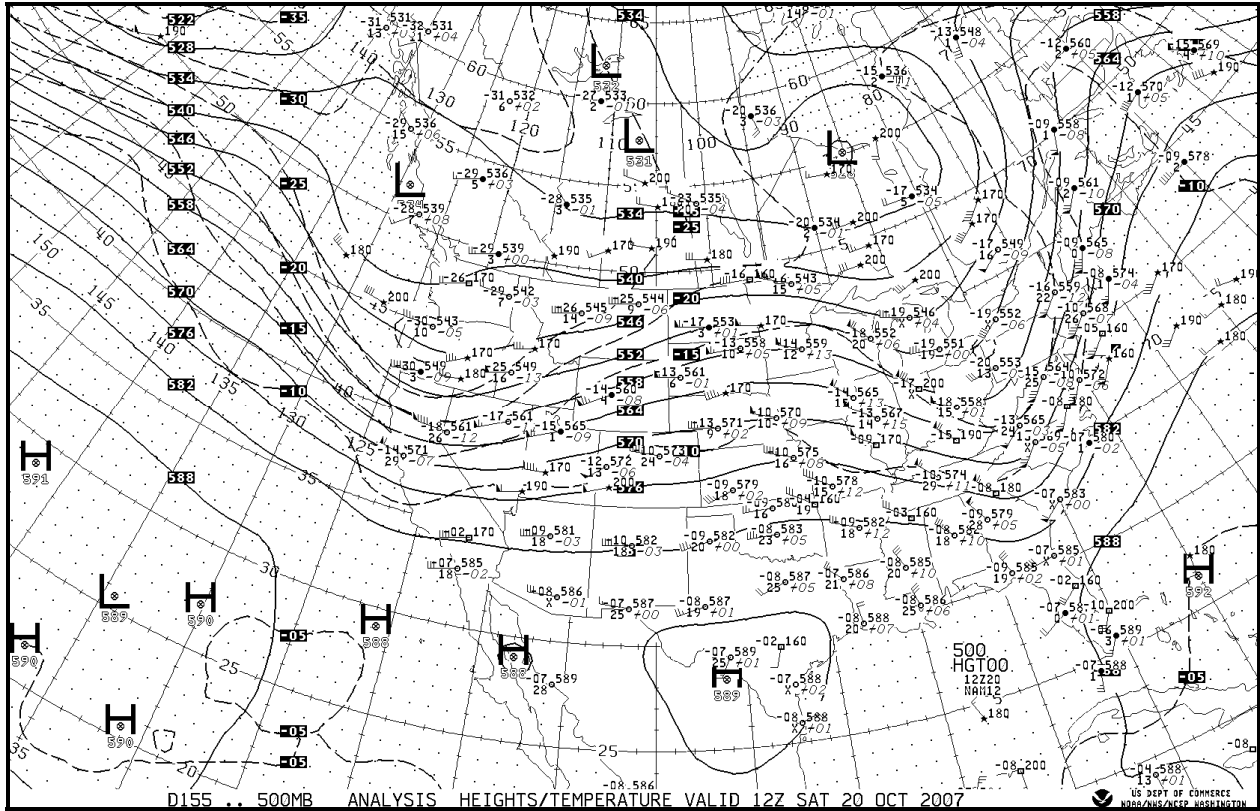


FIGURE A.12-1

National Weather Service Height Analysis (solid contours in tens of meters)  
of the 500 Millibar Pressure Surface for 0400 PST Saturday, October 20, 2007



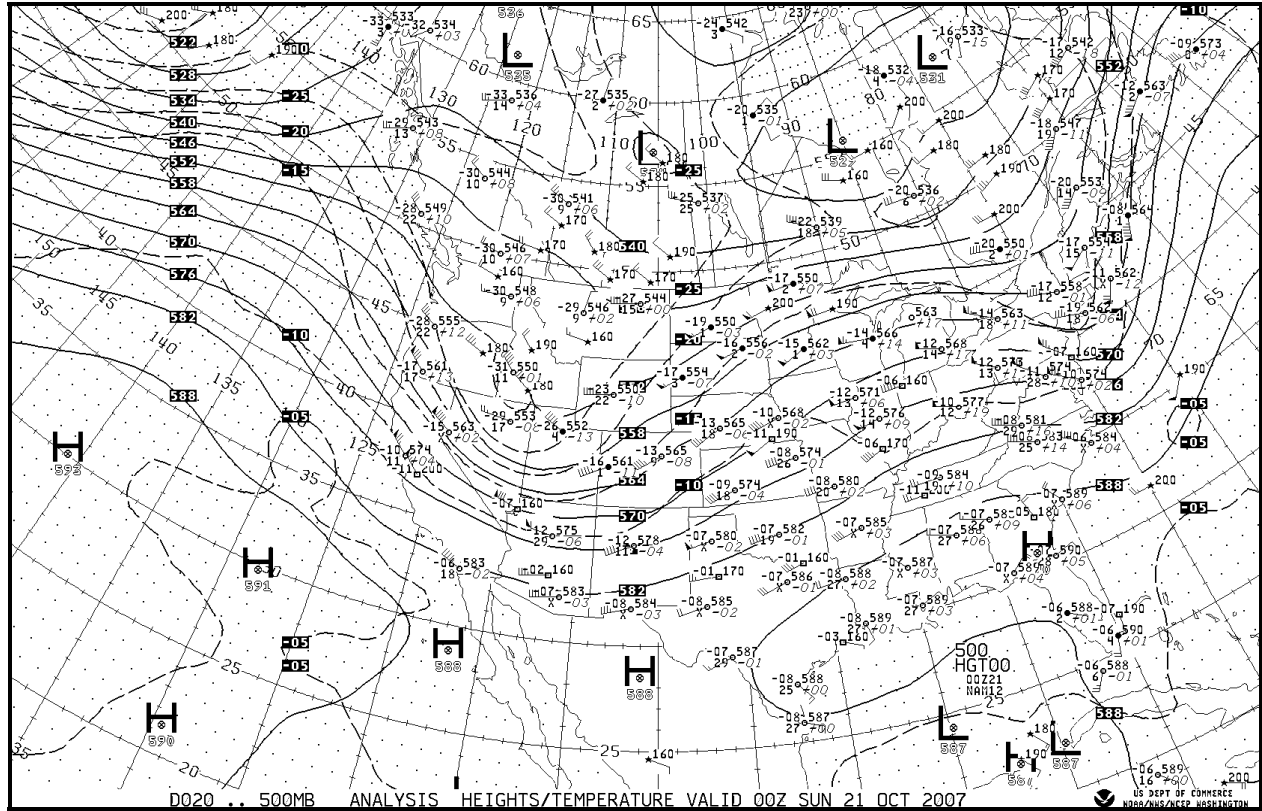


FIGURE A.12-2

**National Weather Service Height Analysis (solid contours in tens of meters)  
of the 500 Millibar Pressure Surface for 1600 PST Saturday, October 20, 2007**

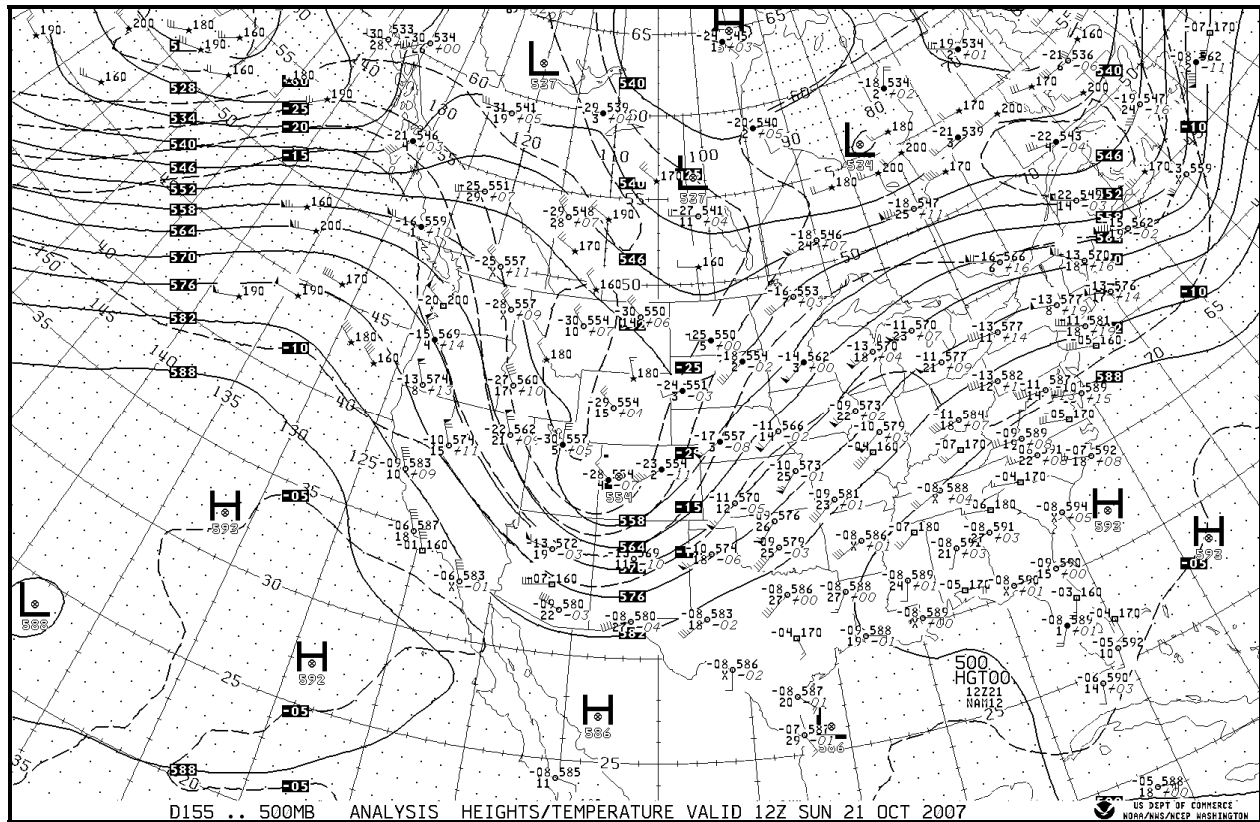


FIGURE A.12-3

National Weather Service Height Analysis (solid contours in tens of meters)  
of the 500 Millibar Pressure Surface for 0400 PST Sunday, October 21, 2007

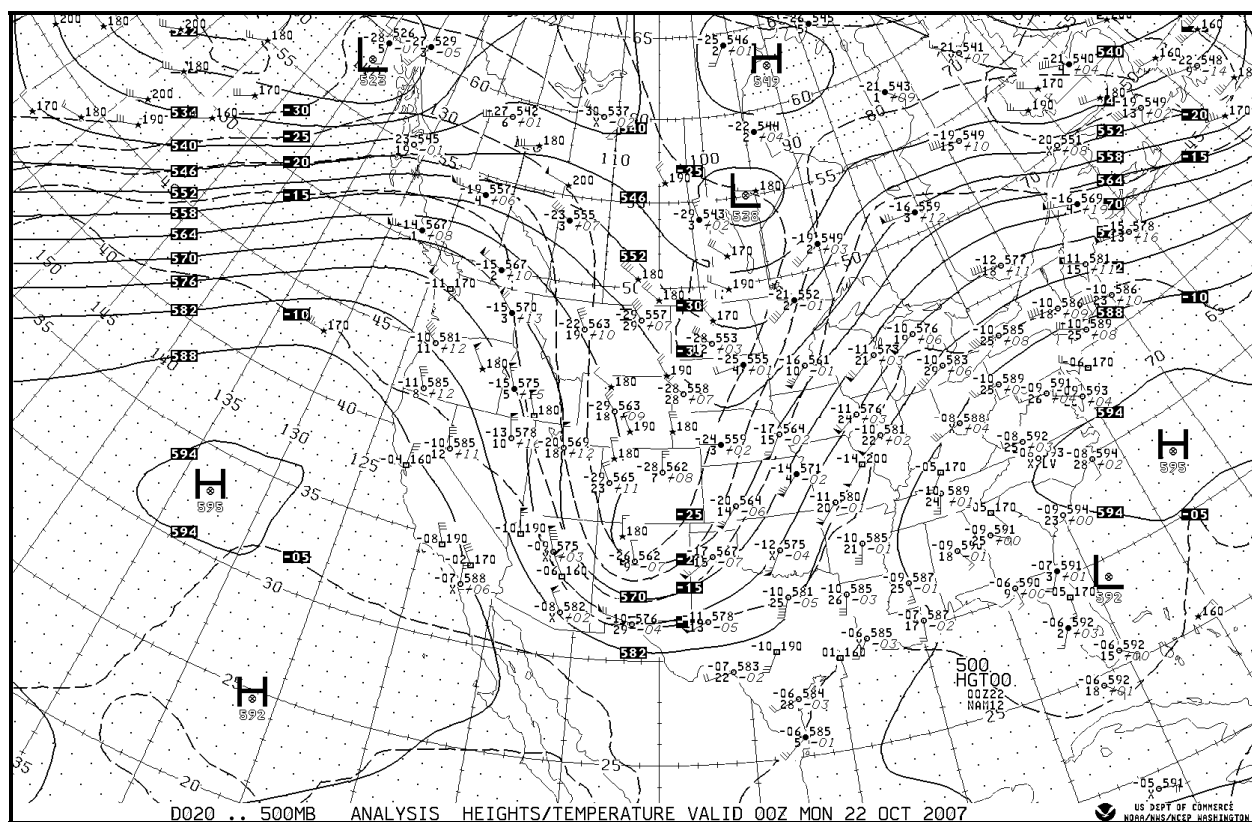


FIGURE A.12-4

National Weather Service Height Analysis (solid contours in tens of meters)  
of the 500 Millibar Pressure Surface for 1600 PST Sunday, October 21, 2007

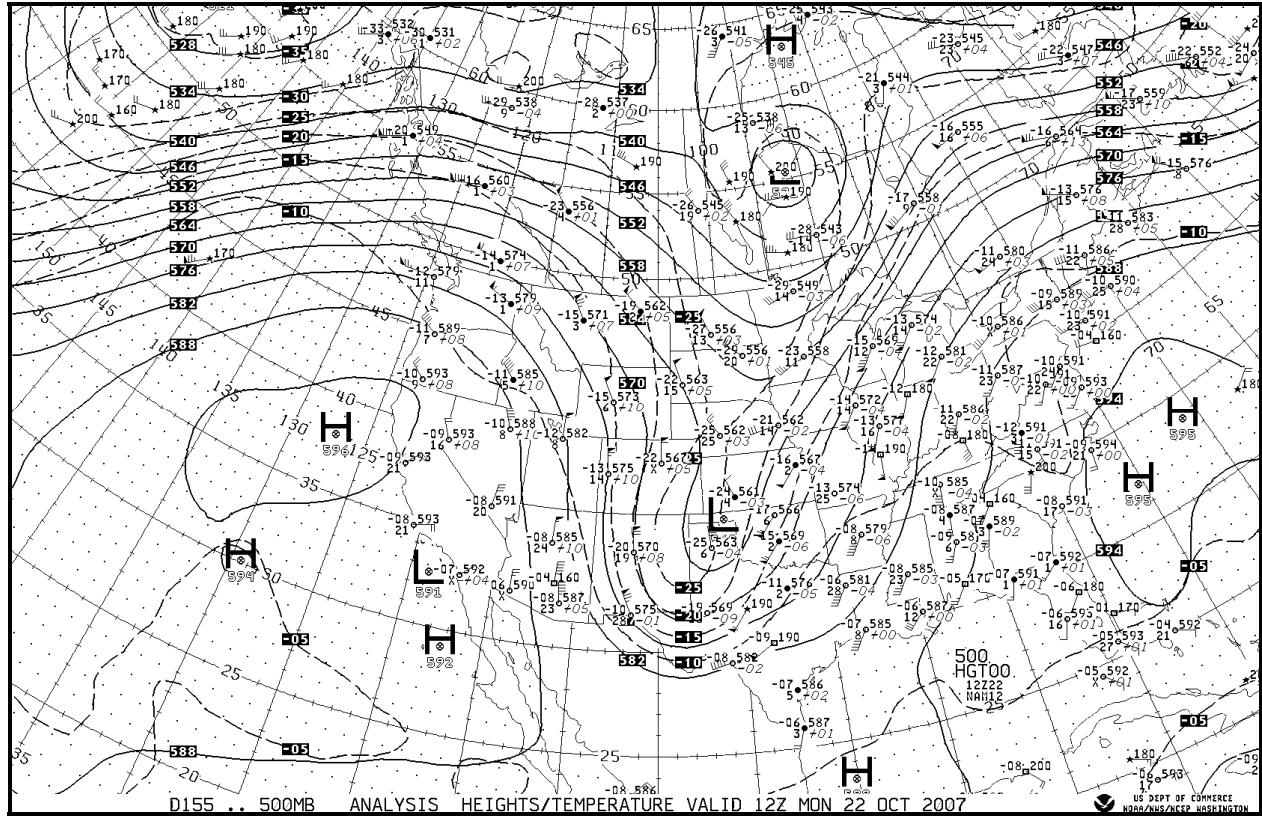
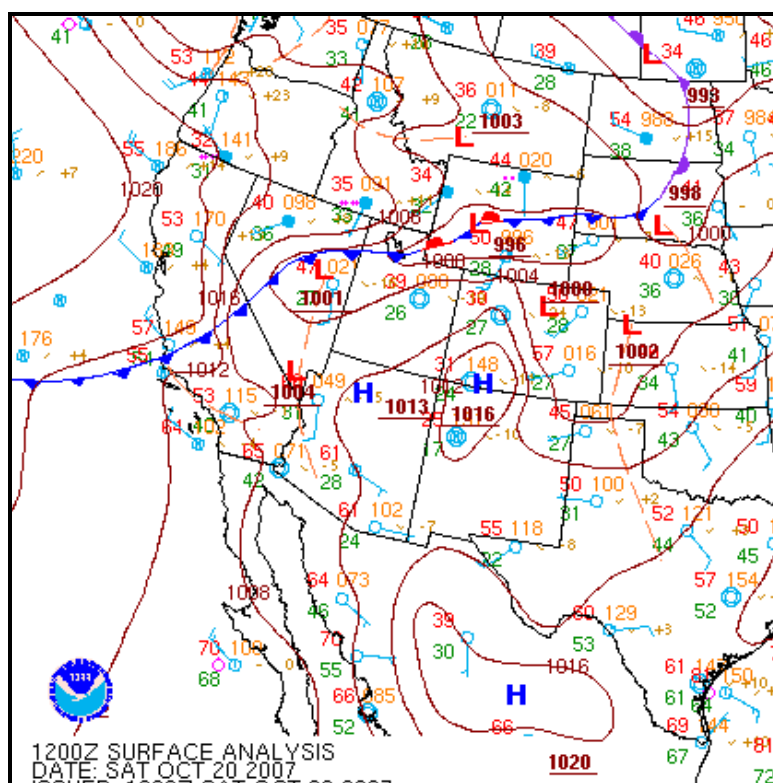


FIGURE A.12-5

National Weather Service Height Analysis (solid contours in tens of meters)  
of the 500 Millibar Pressure Surface for 0400 PST Monday, October 22, 2007

## A.14 National Weather Service Surface Analyses

*Every 3 hours between 0400 PST Saturday, October 20 and 0400 PST Monday, October 22, 2007*



**FIGURE A.13-1**

**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 0400 PST Saturday, October 20, 2007**

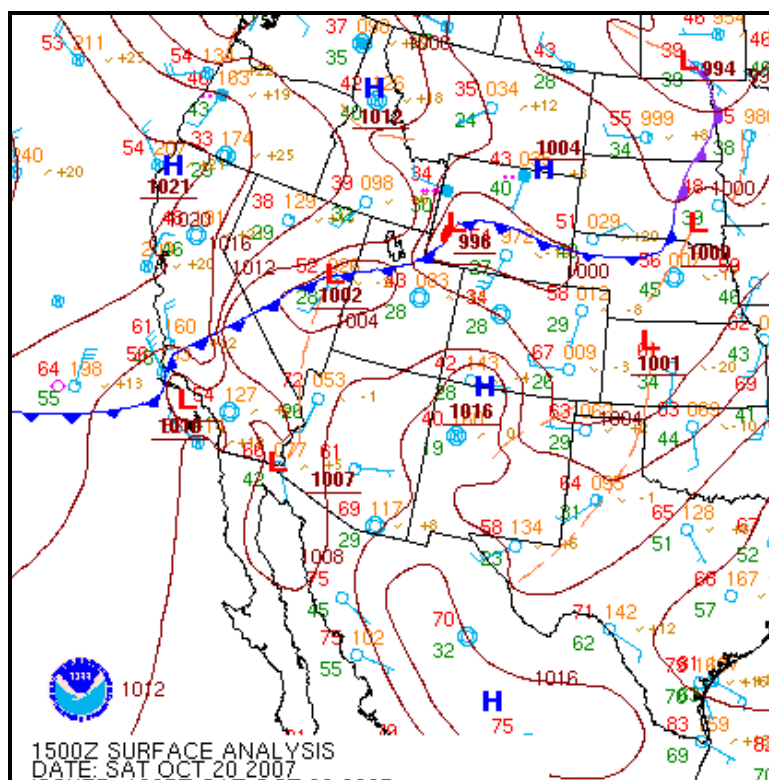


FIGURE A.13-2

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 0700 PST Saturday, October 20, 2007

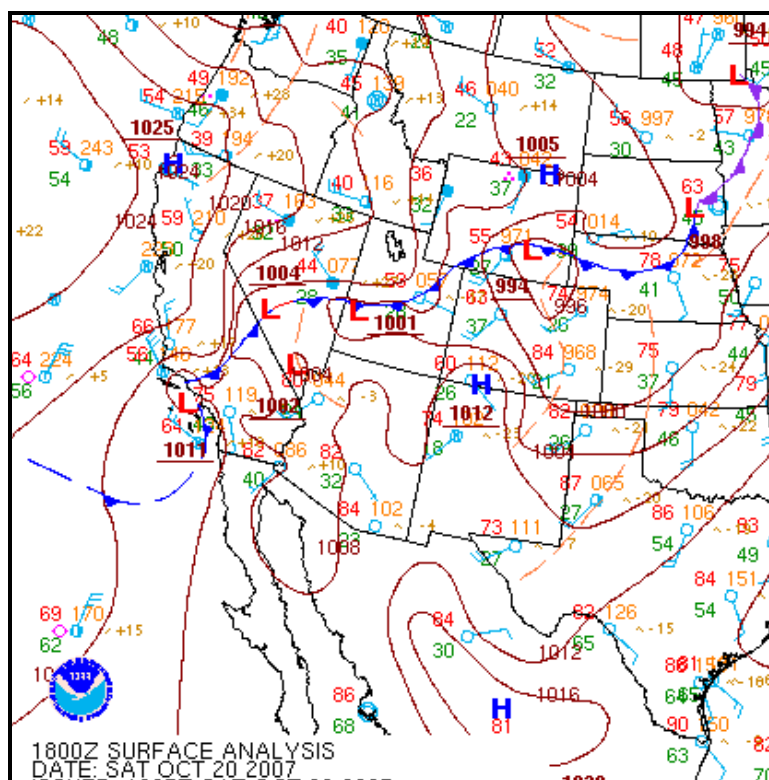
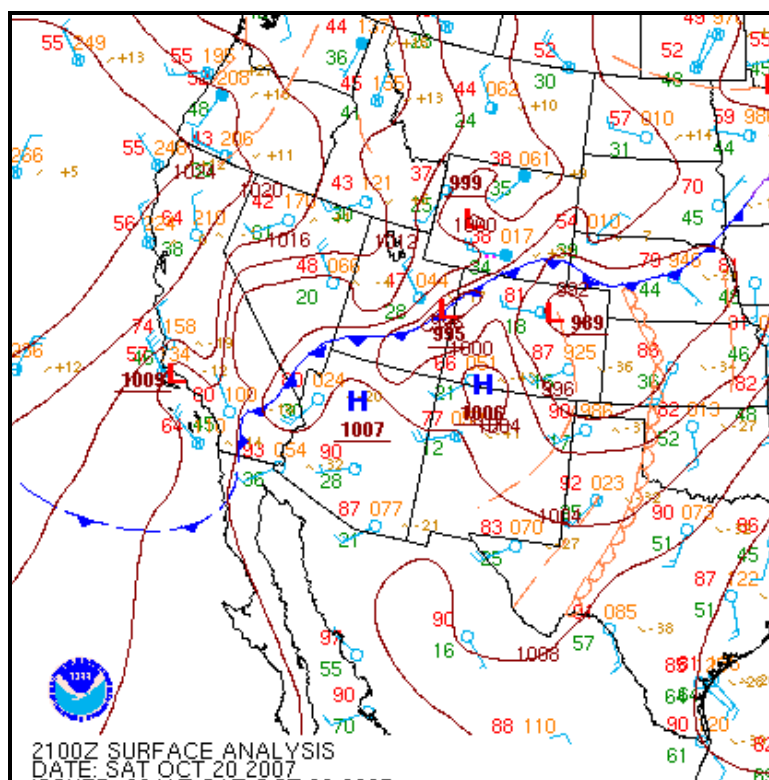
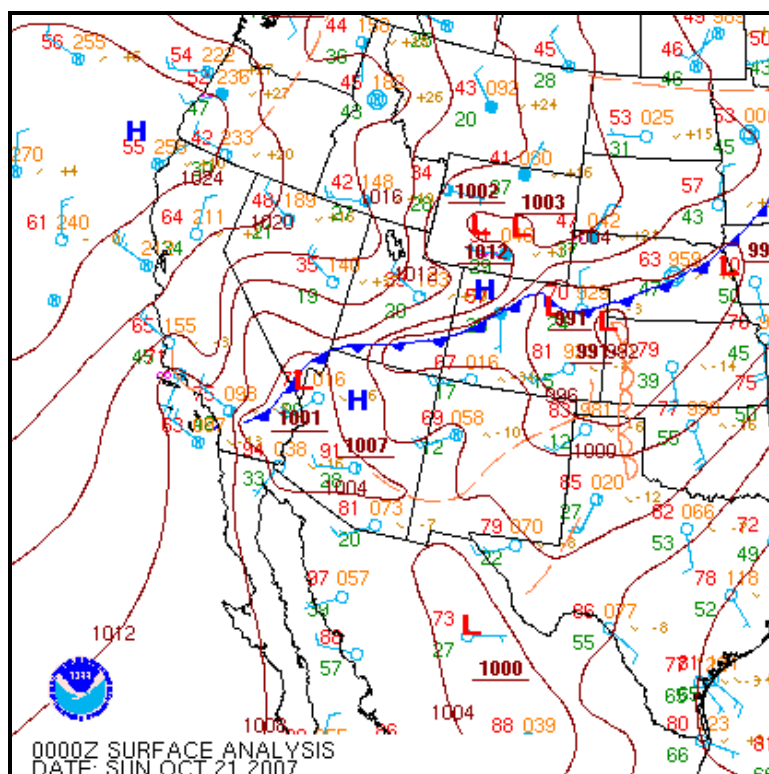


FIGURE A.13-3

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 1000 PST Saturday, October 20, 2007







**FIGURE A.13-5**

**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 1600 PST Saturday, October 20, 2007**

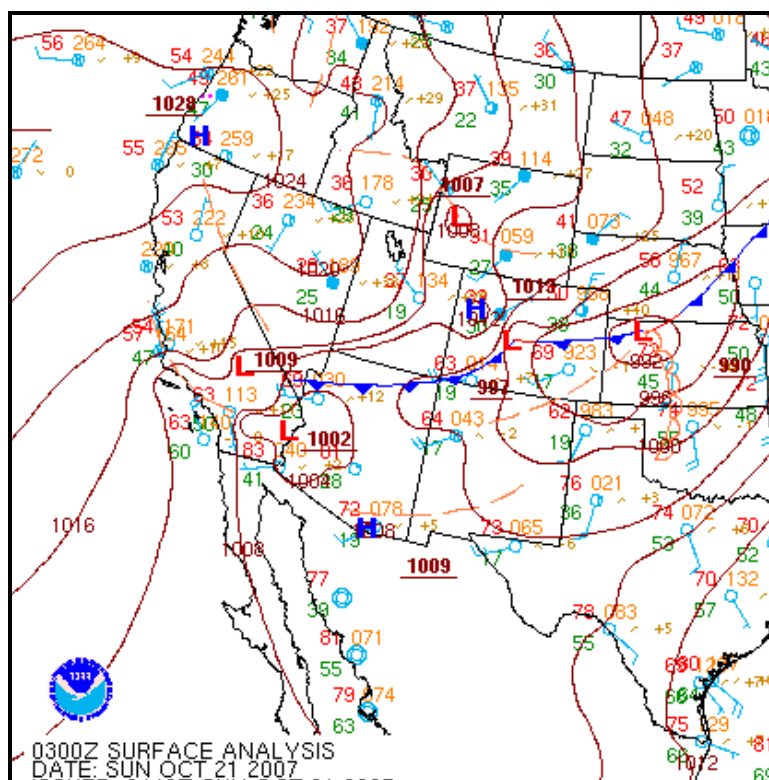


FIGURE A.13-6

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 1900 PST Saturday, October 20, 2007

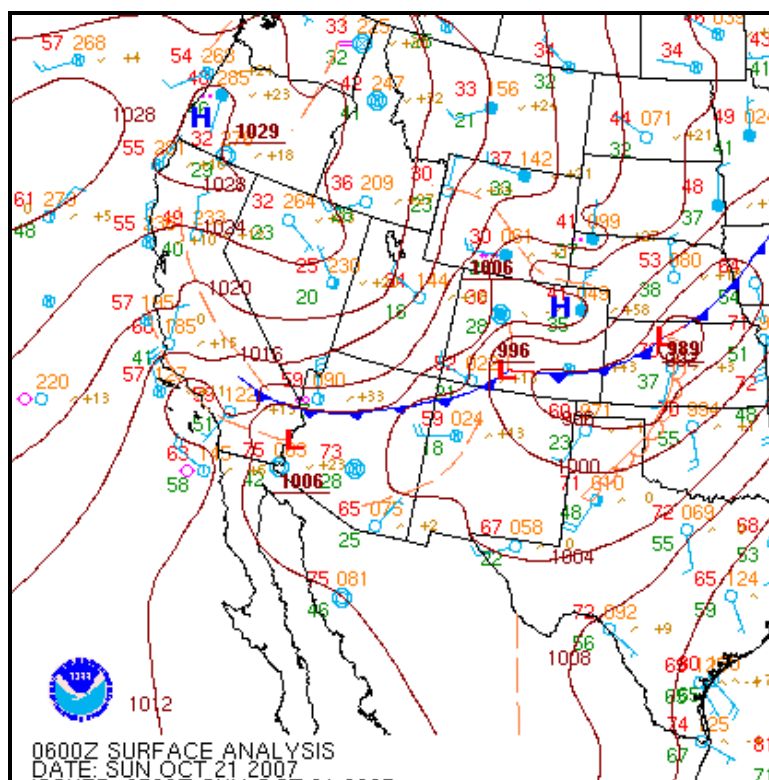


FIGURE A.13-7

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 2200 PST Saturday, October 20, 2007

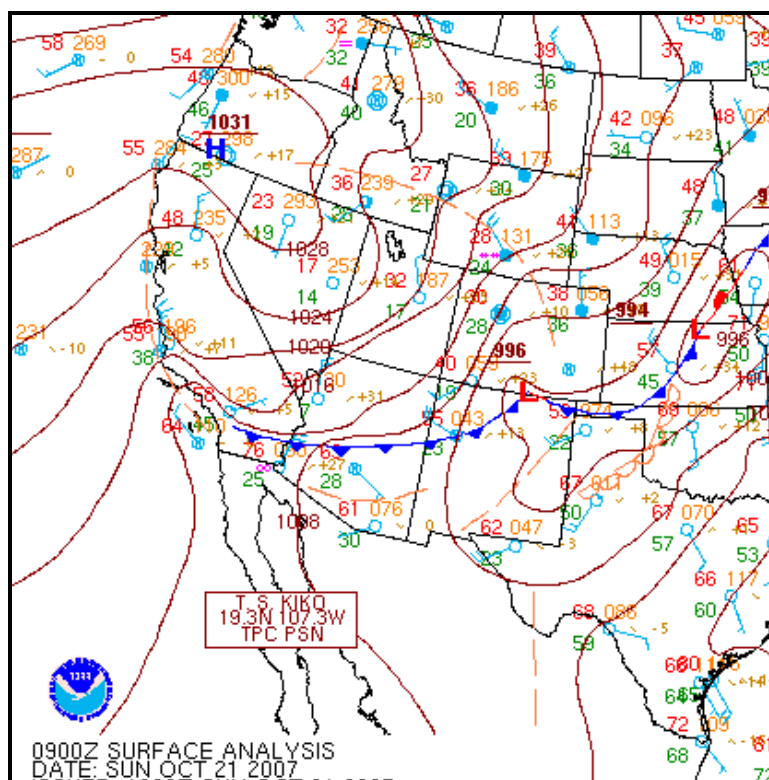


FIGURE A.13-8

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 0100 PST Saturday, October 21, 2007

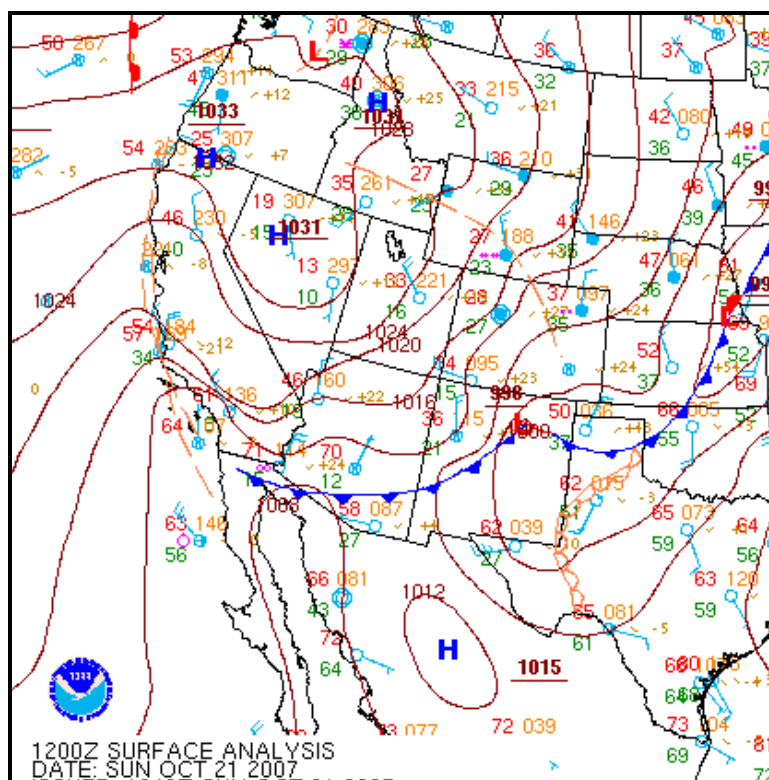
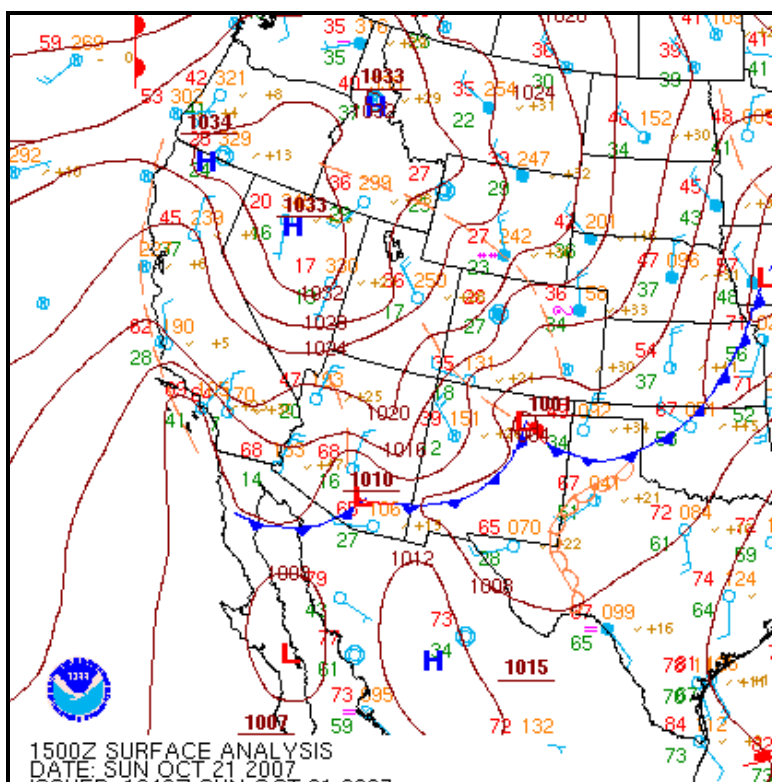


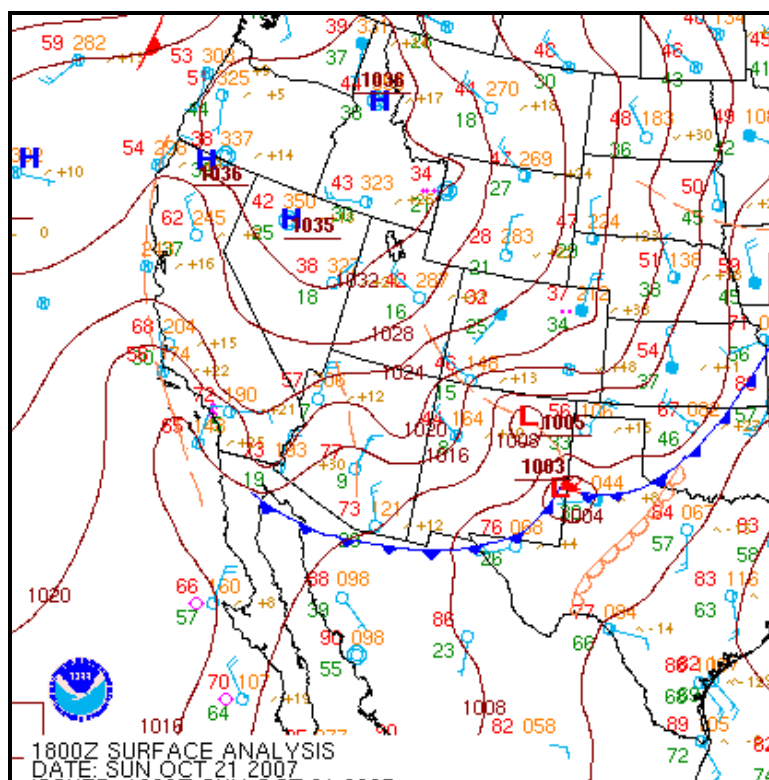
FIGURE A.13-9

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 0400 PST Saturday, October 21, 2007



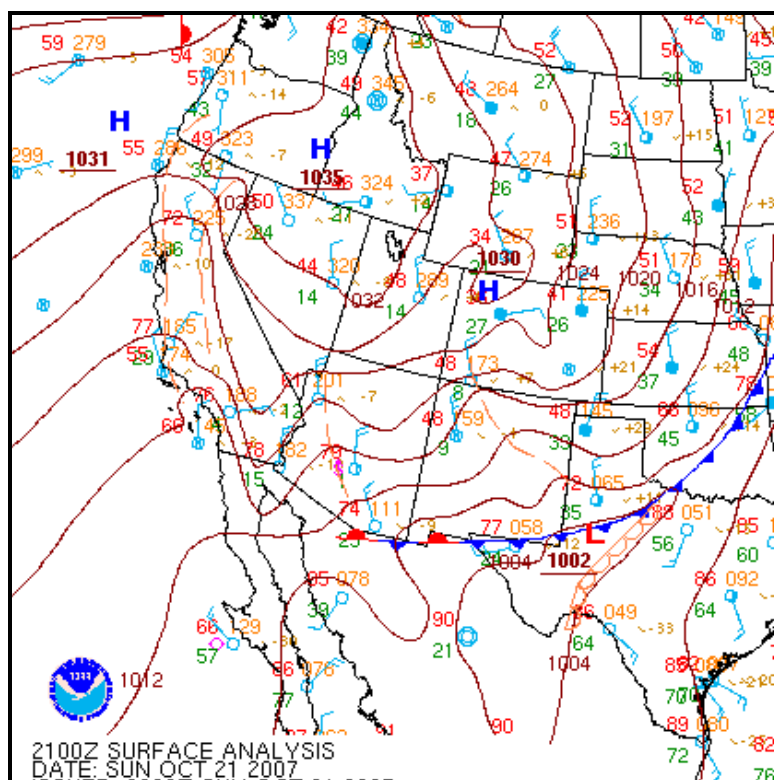
**FIGURE A.13-10**

**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 0700 PST Saturday, October 21, 2007**



**FIGURE A.13-11**

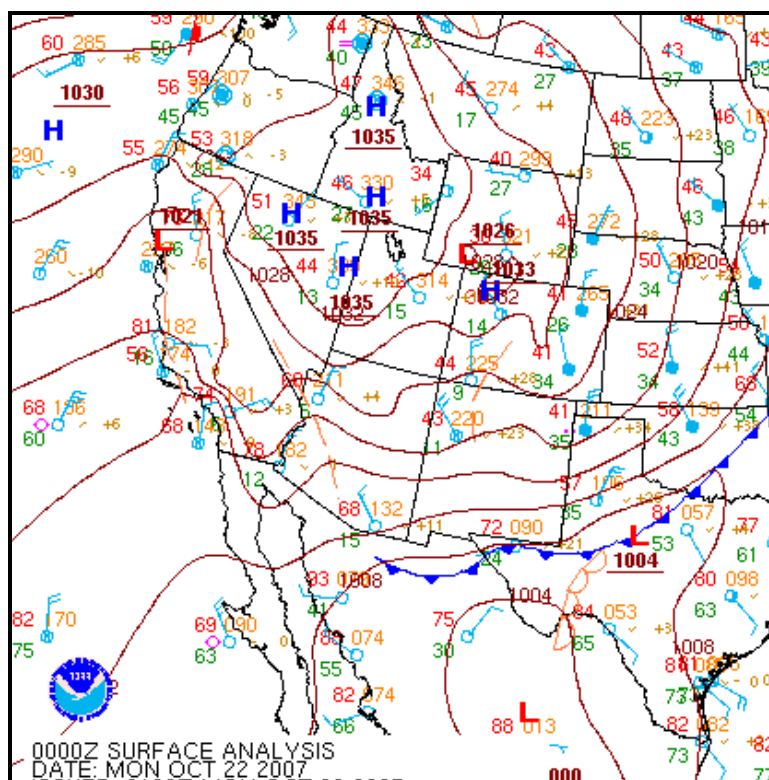
**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 1000 PST Saturday, October 21, 2007**



**FIGURE A.13-12**

**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 1300 PST Saturday, October 21, 2007**





**FIGURE A.13-13**

**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 1600 PST Saturday, October 21, 2007**

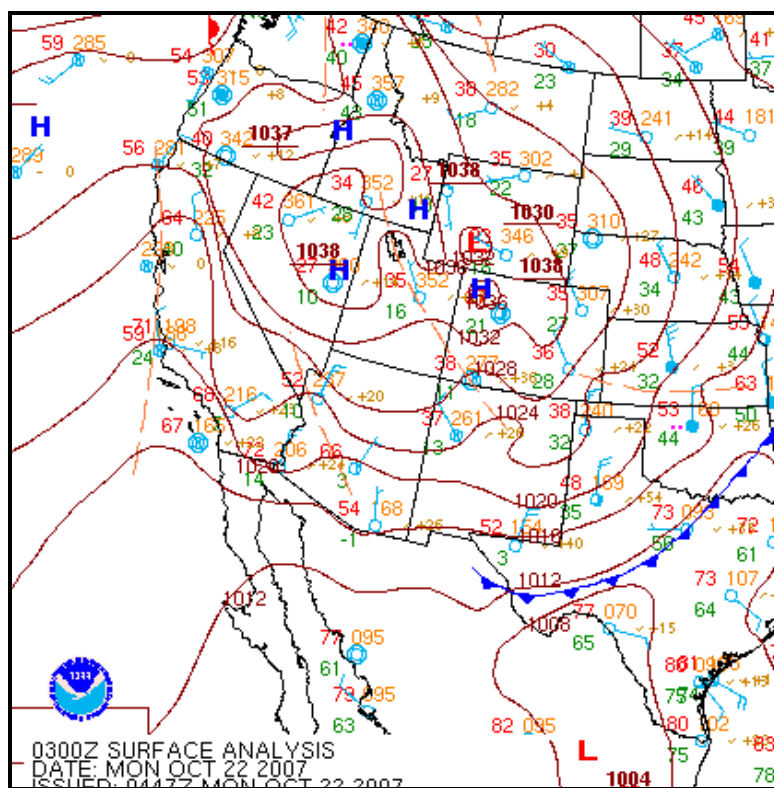
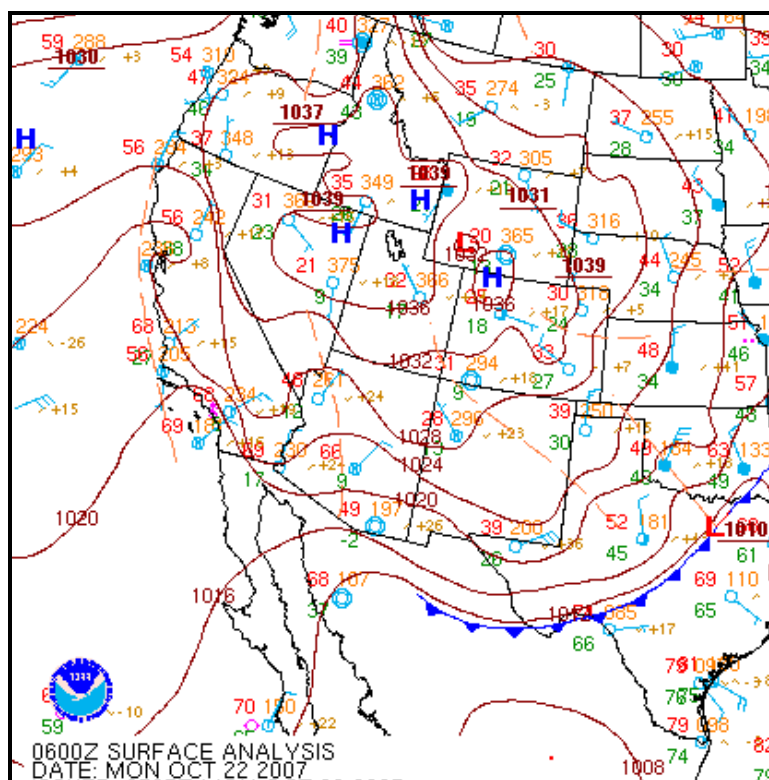


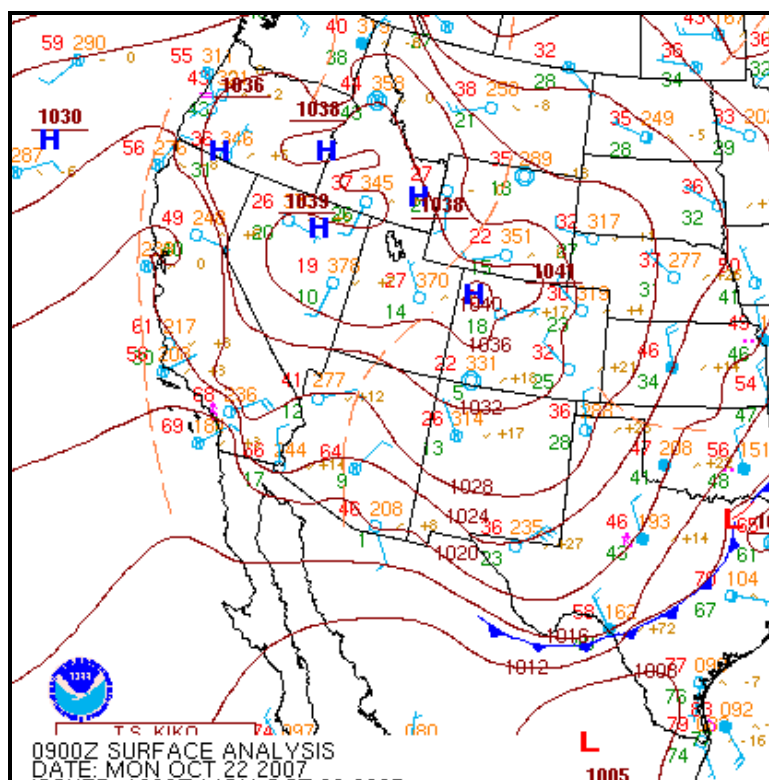
FIGURE A.13-14

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 1900 PST Saturday, October 21, 2007



**FIGURE A.13-15**

**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 2200 PST Saturday, October 21, 2007**



**FIGURE A.13-16**

**National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 0100 PST Saturday, October 22, 2007**

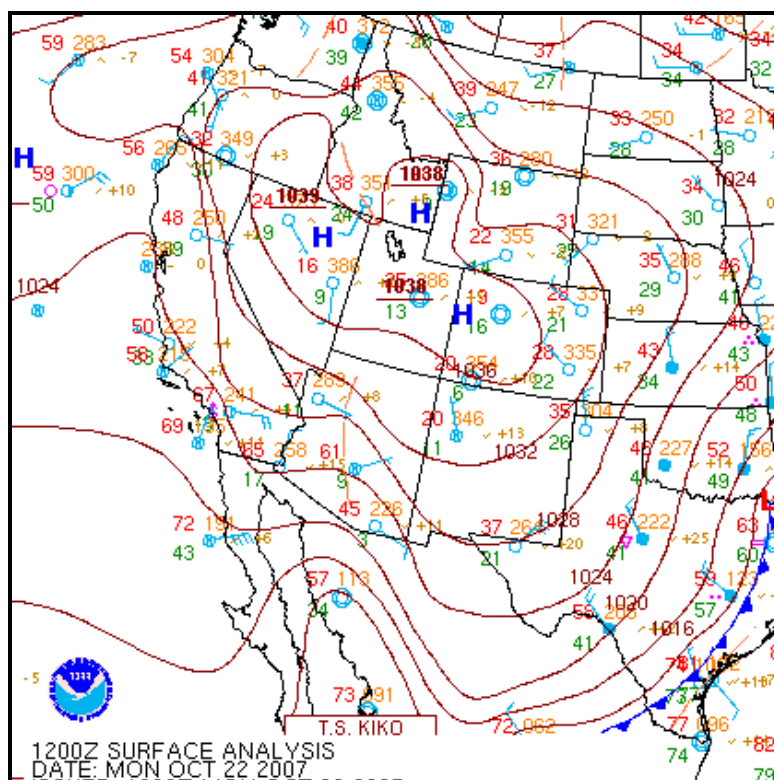


FIGURE A.13-17

National Weather Service Sea-Level Pressure Analysis (contours every 4 millibars)  
for 0400 PST Saturday, October 22, 2007

I.5. Ventura County Air Pollution Control District  
PM Exceptional Event Documentation – March 9, 2009



**Ventura County  
Air Pollution  
Control District**

669 County Square Drive  
Ventura, California 93003

tel 805/645-1400  
fax 805/645-1444  
[www.vcapcd.org](http://www.vcapcd.org)

**Michael Villegas  
Air Pollution Control Officer**

March 9, 2009

Karen Magliano  
Chief, Air Quality Data Branch  
California Air Resources Board  
P.O. 2815  
Sacramento, CA 95812

**Subject: Request to Exclude PM Data Impacted by  
2007 Southern California Wildfires**

Dear Ms. Magliano:

This correspondence is in response to Theresa Najita's March 2 email to me regarding PM data impacted by the 2007 Southern California wildfires. The Ventura County Air Pollution Control District is requesting that data showing exceedances of the federal PM<sub>2.5</sub> and PM<sub>10</sub> air quality standards during the Southern California wildfires of October 2007 be excluded due to an exceptional event. As shown in the attached Table, we are requesting that the October 21, 2007, PM<sub>2.5</sub> and PM<sub>10</sub> data from our El Rio monitoring site be excluded. I am enclosing a report prepared by my staff and previously submitted to ARB; the information in this report contains the supporting information you are seeking to justify our request.

If you have any questions regarding this matter, please contact me at 805/645-1440 or Keith Duval of my staff at 805/645-1410.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Villegas".

Michael Villegas  
Air Pollution Control Officer

c: Keith Duval, VCAPCD  
Herm Ragsdale, VCAPCD

Exceptional Event Data  
 PM<sub>2.5</sub> and PM<sub>10</sub> FRM Monitors  
 24 hour average, micrograms per cubic meter

Monitoring Site		Pollutant	Date
			21-Oct-2007
El Rio	Site ID: 61113001 POC 1 Monitor Type: FRM	PM <sub>2.5</sub>	39.9
El Rio	Site ID: 61113001 POC 1 Monitor Type: FRM	PM <sub>10</sub>	246



□□ □□□□□□ □□□□□□ □□□□ □□□□  
□ □□□□□□ □□ □□□, □□□□

□□ □□□□□□ □□□□ □ □□ □  
□□□□ **P**□□□ □□□ □□□□□ □□□□□□□  
□□□ **PM**<sub>2.5</sub> □□□ **D PM**<sub>10</sub>

□ub□ itted□□ ove□ be□□□, □□□□

□evised□ Ma□□ □□ □□□□



□entu□a □ount□ □i□ Pollution □ont□ol Dist□ict

□□□ □ount□ □□□□□□ Drive  
□entu□a, □□ □□□□□

## INTRODUCTION

On October 20, 2007 through October 29, 2007, Ventura County's air quality was severely impacted by fires that burned in Los Angeles and Ventura Counties. This report has been prepared to justify that the PM<sub>2.5</sub> and PM<sub>10</sub> data monitored during the Southern California wildfires of October 2007 be excluded due to an exceptional event.

The federal air quality standard for PM<sub>2.5</sub> is 35 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ )<sup>1</sup>, averaged over 24 hours. On Sunday, October 21 Ventura County's El Rio monitoring site recorded an exceedance of the federal 24-hour standard for PM<sub>2.5</sub> with a value of 39.9  $\mu\text{g}/\text{m}^3$ . During this period, no other exceedances of the federal 24-hour standard for PM<sub>2.5</sub> were recorded. However, on October 21 and October 27 the El Rio, Piru, Simi Valley and Thousand Oaks monitoring sites recorded 24-hour averages for PM<sub>2.5</sub> exceeding 24 $\mu\text{g}/\text{m}^3$ . Table 1 shows the 24-hour averages for PM<sub>2.5</sub> on October 21 and 27.

Table 1  
PM<sub>2.5</sub> FRM Monitors  
24-hour average, micrograms per cubic meter

Monitoring Site		Pollutant	Dates	
			21-Oct-2007	27-Oct-2007
El Rio	Site ID: 061113001 POC 1 Monitor Type: FRM	PM <sub>2.5</sub>	39.9	27.5
Piru	Site ID: 061110009 POC 1 Monitor Type: FRM	PM <sub>2.5</sub>	PF	34.3
Simi Valley	Site ID: 061112002 POC 1 Monitor Type: FRM	PM <sub>2.5</sub>	29.1	21.2
Thousand Oaks	Site ID: 061110007 POC 1 Monitor Type: FRM	PM <sub>2.5</sub>	PF	24.9
Thousand Oaks	Site ID: 061110007 POC 2 Monitor Type: FRM	PM <sub>2.5</sub>	PF	26

PF = power failure for 1 hour or more during the 24-hour sample, therefore data is excluded.

---

<sup>1</sup> The 24-hour PM<sub>2.5</sub> standard is based upon a 3-year average of the 98th percentile of 24-hour concentrations at each monitor

The 24-hour federal air quality standard for PM<sub>10</sub> is 150 µg/m<sup>3</sup><sup>2</sup>, averaged over 24 hours. On Sunday, October 21 Ventura County's El Rio monitoring site recorded an exceedance of the federal 24-hour standard for PM<sub>10</sub> with a value of 246 µg/m<sup>3</sup>. During this period, no other exceedances of the federal 24-hour standard for PM<sub>10</sub> were recorded. However, on October 21 the Simi Valley monitoring site recorded 24-hour PM<sub>10</sub> values of 119 and 116 µg/m<sup>3</sup>. Table 2 shows the 24-hour PM<sub>10</sub> values for October 21.

Table 2  
PM<sub>10</sub> FRM Monitors  
24-hour average, micrograms per cubic meter

Monitoring Site		Pollutant	Date
			21-Oct-2007
El Rio	Site ID: 061113001 POC 1 Monitor Type: FRM	PM <sub>10</sub>	246
Simi Valley	Site ID: 061112002 POC 1 Monitor Type: FRM	PM <sub>10</sub>	119
Simi Valley	Site ID: 061112002 POC 2 Monitor Type: FRM	PM <sub>10</sub>	116

Pursuant to Code of Federal Regulations, Title 40, Section 50.14, the state may request the Environmental Protection Agency to exclude data showing exceedances or violations of the national ambient air quality standard that are directly due to an exceptional event from use in determinations by demonstrating to EPA's satisfaction that such event caused a specific air pollution concentration at a particulate air quality monitoring location.

The purpose of this document is to document that the Southern California fires during the period of October 20, 2007 through October 29, 2007, were the cause of Ventura County's exceedance of the federal PM<sub>2.5</sub> and PM<sub>10</sub> air quality standards.

---

<sup>2</sup> The 24-hour PM<sub>10</sub> standard is not to be exceeded more than once per year on average over 3 years.

## **SOUTHERN CALIFORNIA FIRE LOCATIONS**

Beginning on October 20, 2007, fires began in Ventura, Los Angeles and San Bernardino Counties that severely impacted Ventura County's air quality. Attachment 1 is a map showing the locations of the various Southern California fires. Attachment 2 includes a collection of newspaper articles from the Ventura County Star regarding the fires in the region.

### **Ranch Fire**

On the evening of Saturday, October 20 the Ranch fire began north of Piru in Los Angeles County and headed towards Piru and Fillmore in Ventura County. The fire burned over 55,800 acres – mostly in Ventura County - and was contained by Friday, October 26.

### **Nightsky Fire**

In Ventura County, on the morning of Sunday, October 21 the Nightsky fire began in the Santa Rosa Valley (Camarillo). The fire burned approximately 35 acres and was contained on Monday, October 22.

### **Magic Fire**

On Monday, October 22 the Magic fire began in Valencia, Los Angeles County, just east of the Ventura County line. The fire moved easterly towards Ventura County. The fire burned approximately 2,800 acres and was contained by Wednesday, October 24.

### **Malibu "Canyon" Fire**

The Malibu "Canyon" fire began on Sunday morning, October 21 in Malibu, Los Angeles County, several miles southeast of Ventura County. The fire burned approximately 4,500 acres and stayed within the Malibu area; the fire was contained by Wednesday, October 24.

### **Buckweed Fire**

The Buckweed fire began on Sunday, October 21 in Agua Dulce, in northeastern Los Angeles County, east of Ventura County. The fire burned approximately 40,000 acres; 32 homes were destroyed. The fire was contained Wednesday, October 24.

### **Other Fires**

In addition to the fires listed above which were in close proximity to Ventura County, several other fires burned in areas east of Ventura County. Those fires were the Slide Fire in the Green Valley Lake area of the San Bernardino Mountains and the Grass Valley Fire in Grass Valley northwest of Lake Arrowhead in the San Bernardino Mountains.

## **WEATHER CONDITIONS DURING THE SOUTHERN CALIFORNIA FIRES**

During the period of the Southern California fires, the region's predominant winds were strong winds from the east. There were multiple days where measured winds averaged 20 to 40 mph with gusts to 60 mph. As a result of these continuous easterly winds, Ventura County was severely impacted by smoke from the fires. Attachment 2 contains satellite images from Sunday, October 21 through Friday, October 26.

## **VENTURA COUNTY APCD'S PARTICULATE MONITORING NETWORK**

The Ventura County APCD monitors particulate matter (PM) at the locations within Ventura County shown in Table 3. The location of the District's monitoring sites is shown in Figure 1.

During the Southern California fires of October 21 through 29, 2007, the Ventura County APCD continuously monitored PM<sub>2.5</sub> using its Beta Attenuation Monitors (BAMs). The District's PM<sub>2.5</sub> and PM<sub>10</sub> federal reference method (FRM) monitors are operated on a national schedule set by EPA. The District's PM<sub>2.5</sub> FRM monitors are operated on either a 1 day in 6 day schedule or a 1 day in 3 day schedule. The District's PM<sub>10</sub> FRM monitors are operated on a 1 day in 6 day schedule. The national schedule called for the PM<sub>2.5</sub> FRM monitors at the El Rio and Simi Valley monitoring sites to operate on October 21, 24 and 27 (a 1 in 3 day schedule). The Ojai, Piru and Thousand Oaks PM<sub>2.5</sub> FRM monitors were required by EPA's national schedule to operate on October 21 and 27 (a 1 in 6 day schedule). The national schedule called for the District's PM<sub>10</sub> FRM monitors at El Rio, Simi Valley and Ojai to operate on October 21 and 27.

Table 3  
Ventura County APCD Air Monitoring Stations

Site Name	AQS ID	Pollutants Monitored	Sampling Frequency
El Rio – Rio Mesa School #2	0061113001	BAM PM <sub>2.5</sub>	Continuous
		PM <sub>10</sub>	1 in 6 days
		FRM PM <sub>2.5</sub>	1 in 3 days
Ojai – Ojai Avenue	0061111004	BAM PM <sub>2.5</sub>	Continuous
		PM <sub>10</sub>	1 in 6 days
Piru – Pacific Avenue	0061110009	BAM PM <sub>2.5</sub>	Continuous
		FRM PM <sub>2.5</sub>	1 in 6 days
Simi Valley – Cochran Street	0061112002	BAM PM <sub>2.5</sub>	Continuous
		PM <sub>10</sub>	1 in 6 days
		PM <sub>10</sub> (Collocated)	1 in 6 days
		FRM PM <sub>2.5</sub>	1 in 3 days
Thousand Oaks – Moorpark Road	0061110007	BAM PM <sub>2.5</sub>	Continuous
		FRM PM <sub>2.5</sub>	1 in 6 days
		FRM PM <sub>2.5</sub> (Collocated)	1 in 6 days

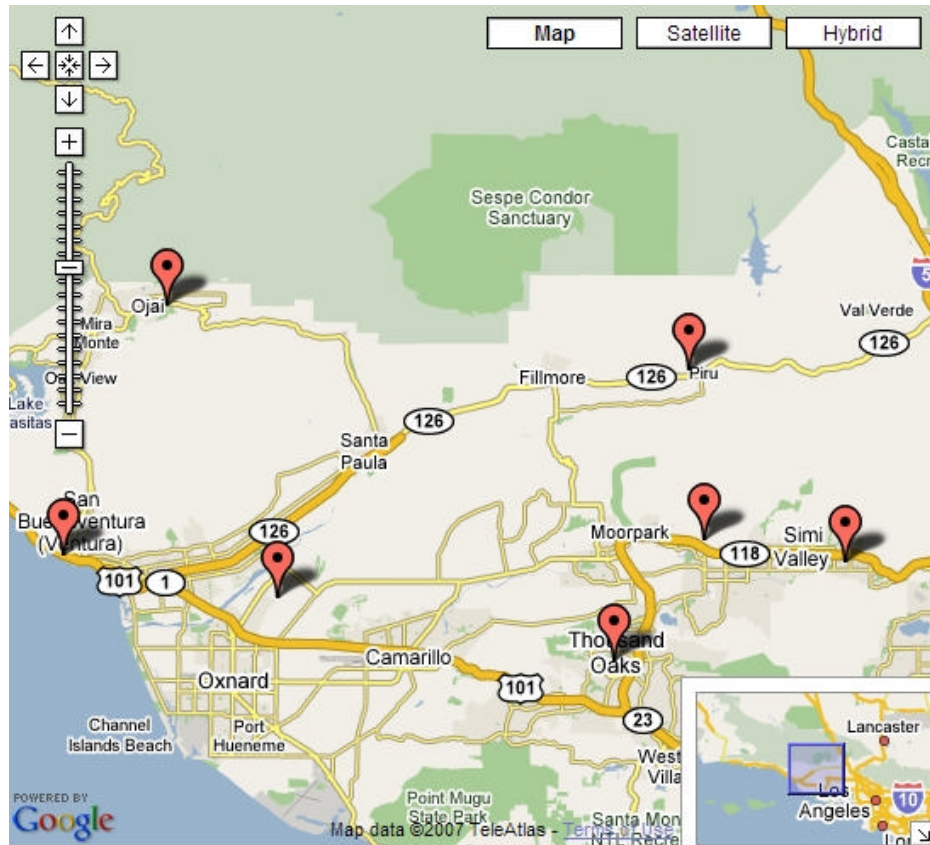


Figure 1  
Map of Ventura County APCD Air Monitoring Stations

## AIR QUALITY IN VENTURA COUNTY

During the period of the Southern California fires, the Ventura County APCD continued to operate its network of air monitoring stations. Readings taken from the APCD's five BAMs for the period of October 20 through 29, 2007 are shown in Table 4. The BAM readings show the impact of the fire on Ventura County's air quality beginning on October 21 with peak readings at the Piru monitoring site on Tuesday, October 22 at 108  $\mu\text{g}/\text{m}^3$ . During the initial period Ventura County experienced high temperatures and high sustained winds from the east. Both of these factors resulted in a number of power failures at the Piru, Simi Valley and Thousand Oaks monitoring stations.

Table 4  
PM<sub>2.5</sub> BAM Readings  
24-hour average, micrograms per cubic meter

	20-Oct-07	21-Oct-07	22-Oct-07	23-Oct-07	24-Oct-07
El Rio	9	75	50	50	15
Ojai	18	69	47	25	11
Piru	4	34 PF	108 PF	31 PF	6
Simi Valley	10	40	15 PF	4 PF	7
Thousand Oaks	15	25 PF	43	7 PF	13

	25-Oct-07	26-Oct-07	27-Oct-07	28-Oct-07	29-Oct-07
El Rio	13	37 PF	28	14	15
Ojai	13	40	33	8	7
Piru	16	54	29	11	8
Simi Valley	17	54	28	15	9
Thousand Oaks	20	51	32	18	10

PF = power failure for 1 hour or more during the 24-hour sample.

On October 21 and 27 the District operated its PM<sub>2.5</sub> FRMs at the El Rio, Piru, Simi Valley and Thousand Oaks monitoring stations according to EPA's national schedule. The PM<sub>2.5</sub> monitors at the El Rio and Simi Valley monitoring stations were also operated on October 24. PM<sub>2.5</sub> data during these sampling days is shown in Table 5, below.



Table 5  
PM<sub>2.5</sub> FRM Monitors  
24-hour average, micrograms per cubic meter

Monitoring Sites	21-Oct-07	24-Oct-07	27-Oct-07
El Rio	39.9	16.2	27.5
Piru	29.1 PF	---	34.3
Simi Valley	29.1	8.5	21.2
Thousand Oaks (POC 1)	27.5 PF	---	24.9
Thousand Oaks (POC 2) - Collocated	28.0 PF	---	26.0

PF = power failure for 1 hour or more during the 24-hour sample; this data can not be reported to EPA's AQS.

The District's PM<sub>10</sub> FRM monitors at the El Rio, Simi Valley and Ojai monitoring sites operate on a 1 day in 6 day schedule and were operated on October 21 and 27. PM<sub>10</sub> data during these sampling days is shown in Table 6, below.

Table 6  
PM<sub>10</sub> FRM Monitors  
24-hour average, micrograms per cubic meter

Monitoring Sites	21-Oct-07	27-Oct-07
El Rio	246	46
Simi Valley (POC 1)	119	45
Simi Valley (POC 2) - Collocated	116	43
Ojai	99	54


## **OTHER EMISSION ACTIVITIES IN VENTURA COUNTY**

During the period of October 20 through 29 there were no known extraneous emission activities occurring in Ventura County. All days during this period were designated as "No Burn" days for agricultural burning.

## PUBLIC NOTIFICATION

Beginning on the afternoon of Sunday, October 21, the APCD posted air quality advisories on its website. Figures 2.a and 2.b are sample of the air quality advisories posted to the District's website. The District's website includes mirrored images from EPA's AirNow website which allows the public to view current PM<sub>2.5</sub> particle maps of the District's five continuous (BAM) PM<sub>2.5</sub> monitors. In addition, the District issued twice-daily air quality forecasts to County schools, media outlets and other interested parties.

orcast Page 1 of 1

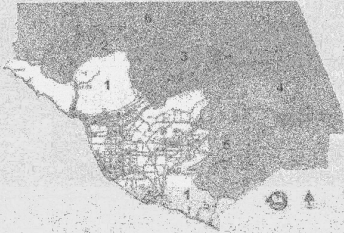
 **Ventura County Air Pollution Control District**

**Air Quality Forecast + Agricultural Burn Status**

Home Search Forms Contact

### Air Quality Advisory

Due to the smoke from many of the wildfires in and around Ventura County, it is possible that almost all areas of Ventura County will encounter smoke at some time. Air Quality in areas affected by the smoke are considered to be unhealthy. If you smelt smoke, be cautious and use common sense to protect your family's health. Everyone, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors, and limit strenuous or heavy exertion. If you have symptoms of lung or heart disease that may be related to smoke exposure (including repeated coughing, shortness of breath or difficulty breathing, wheezing, chest tightness or pain, palpitations, fatigue or dizziness, fatigue or muscle aches, or other symptoms), contact your health provider. This advisory will be extended as conditions warrant. If you have questions contact VCAPCD, Kent Field or Public Health at 805.662.5560 or 805.1400.



#### Agricultural Burn Regions

1. Coastal (Ventura / Oxnard / Camarillo)
2. Ojai Valley
3. Fillmore and Piru
4. Simi Valley and Moorpark
5. Conejo Valley (Thousand Oaks)
6. Northern Ventura County

**Agricultural Burn Status for Tuesday, October 23, 2007**

Burn Region	1	2	3	4	5	6
Early Morning (7 a.m. - 10 a.m.)	No	No	No	No	No	No
Late Morning (10 a.m. - noon)	No	No	No	No	No	No
Afternoon (noon - 4 p.m.)	No	No	No	No	No	No

Permit Must be Obtained from a Ventura County Fire Station

<http://www.vcapcd.org/forecast.aspx> 10/21-24/10/23/2007

Figure 2.a  
Air Quality Advisory Posted October 23 through Oct 24, 2007

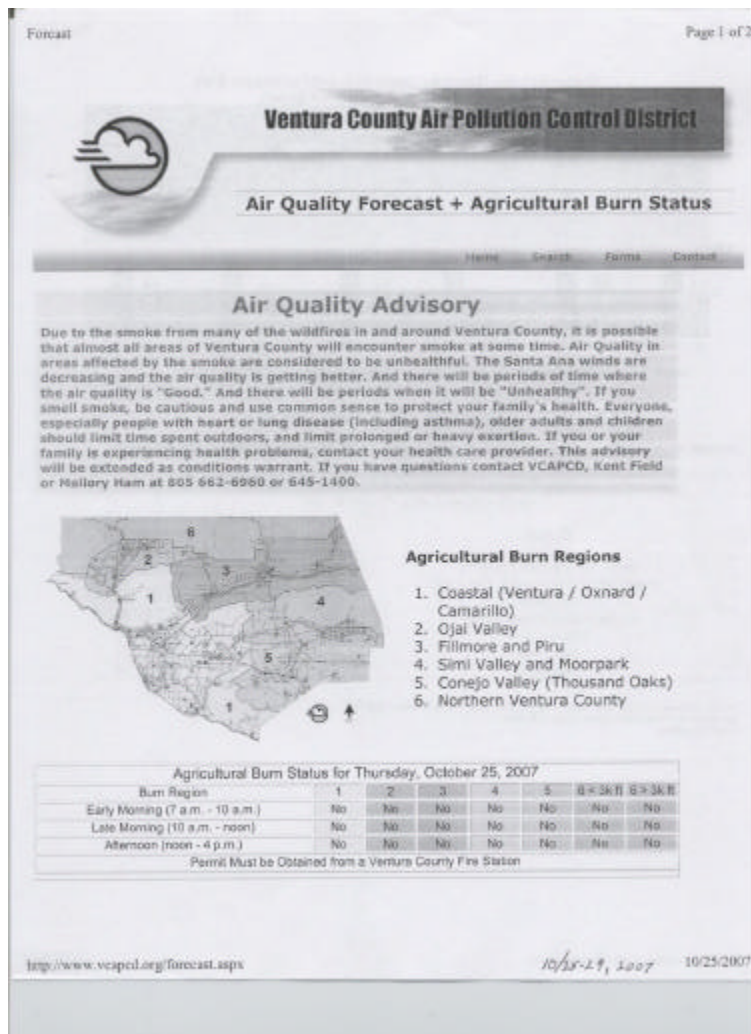
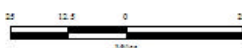
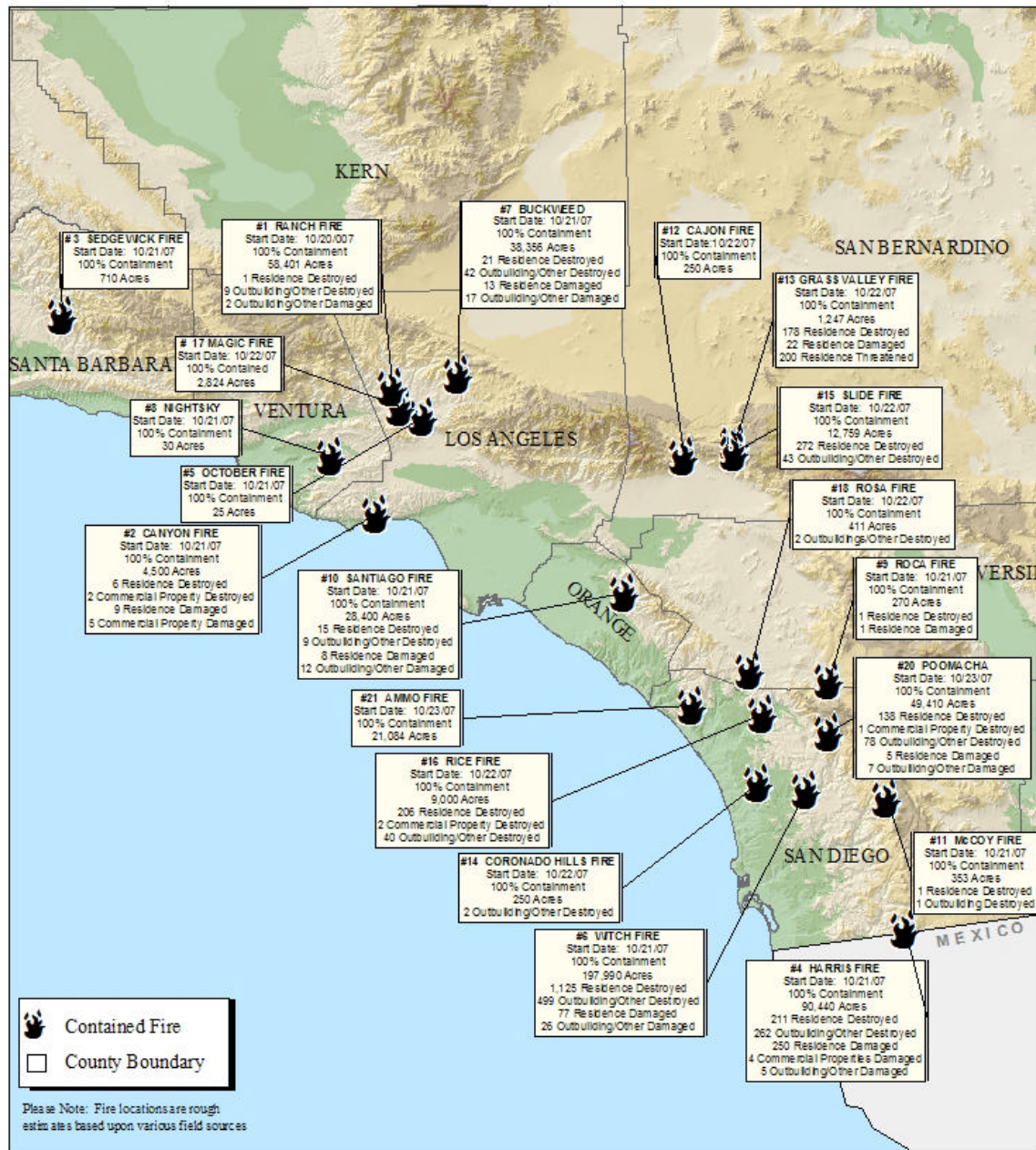


Figure 2.b  
Air Quality Advisory Posted October 25 through Oct 29, 2007

**Attachment 1**  
**Locations of Southern California Fires**

# SOUTHERN CALIFORNIA WILDFIRES

as of 11/09/07 - 0600 Hours PST  
with Start Dates - Chronologically



Created by CES- GIS, D. Hule  
November 9, 2007 Source: FAMRES 2006  
\\c:\msdcs\fire\2007\Statewide\November\project\Statewide\_Fires\_110907.amxd

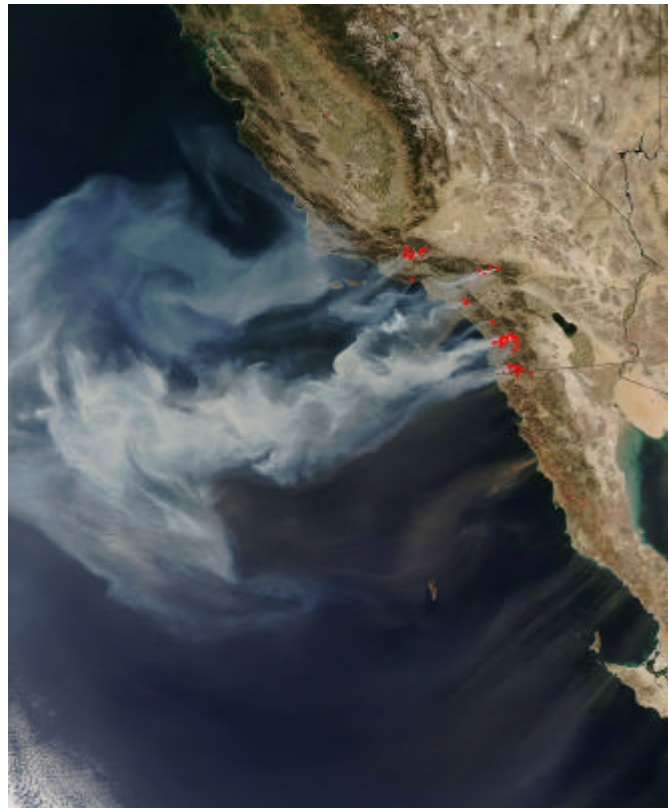
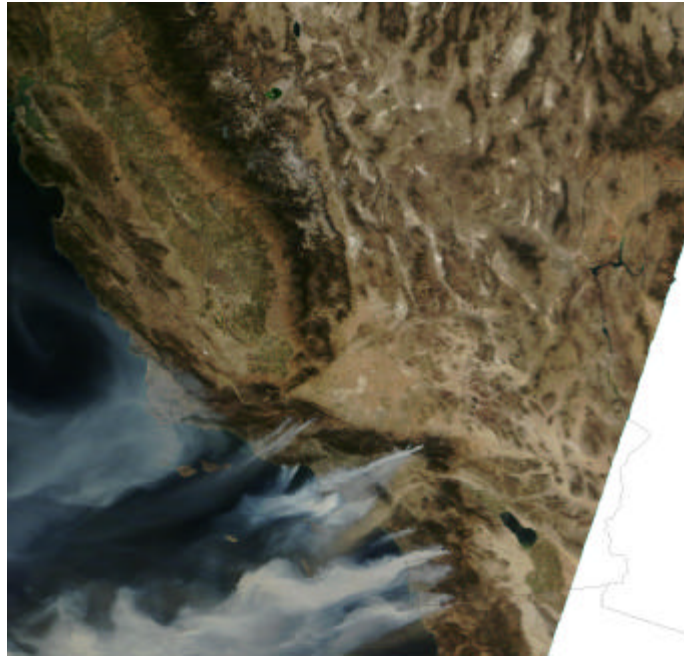
**Attachment 2**  
**Satellite Images**



October 21, 2007



October 22, 2007





# Air Quality Episode: October 20-22, 2007



- Air Quality Index:
- Good
  - Moderate
  - Unhealthy for Sensitive Groups
  - Unhealthy
  - Very Unhealthy
  - Hazardous

— Satellite Detected Fire

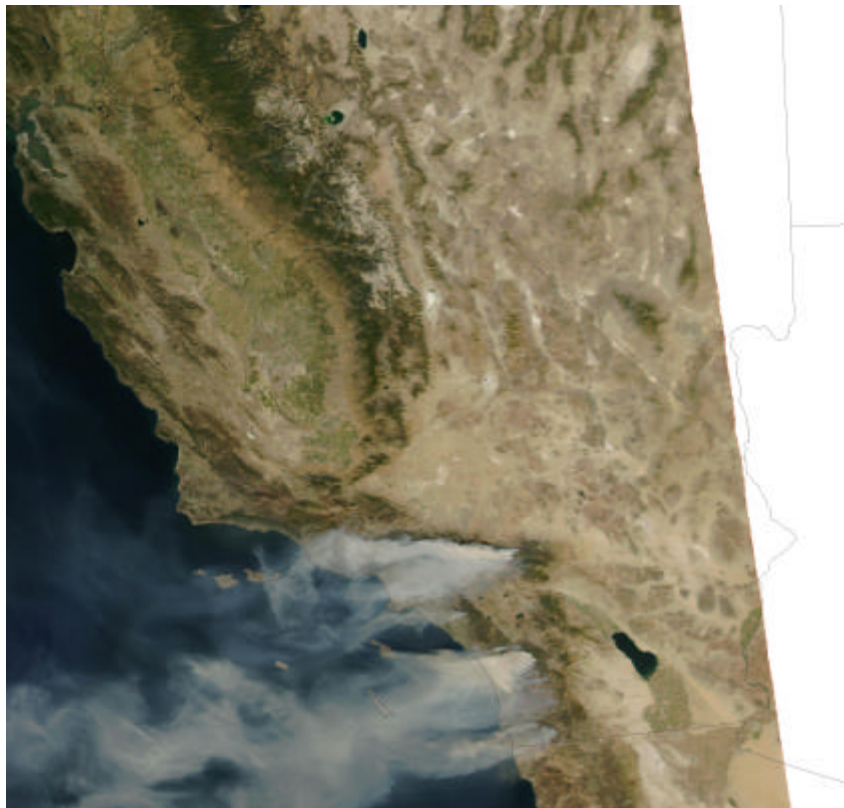


NASA satellite image

Synopsis:  
Strong Santa Ana winds and low relative humidity in Southern California have led to several large wildfires and widespread blowing dust. These conditions have led to poor air quality across much of the region.



October 23, 2007

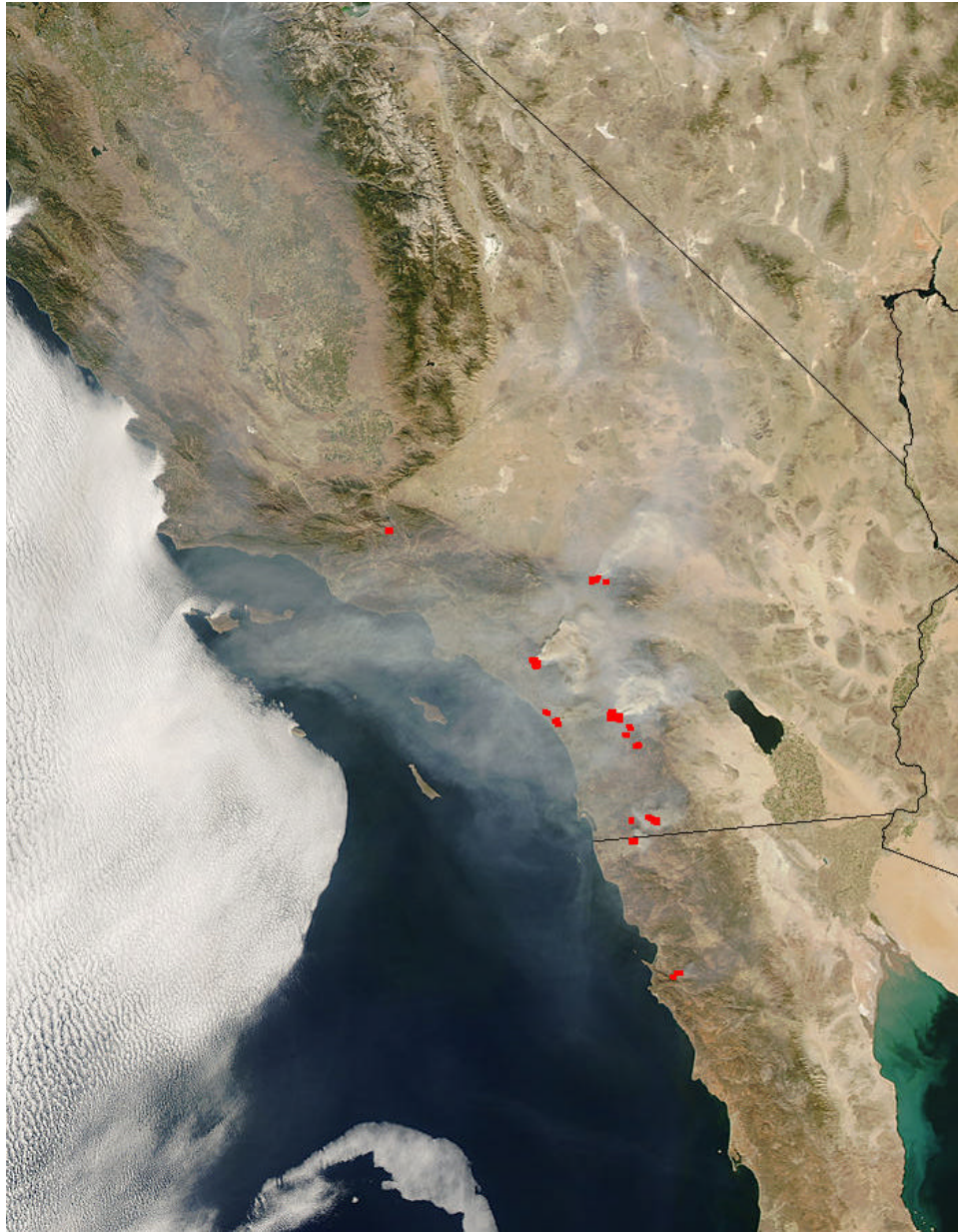


October 24, 2007





October 25, 2007



October 26, 2007



**Attachment 3**  
**Newspaper Articles**



## Fires threaten homes in Santa Rosa Valley, Piru and Fillmore

From staff and wire reports

Originally published 07:43 a.m., October 21, 2007

Updated 06:19 p.m., October 21, 2007

Two fires are threatening county homes and have led officials to evacuate areas of the Santa Rosa Valley, Piru and Fillmore.

The fires have coupled with heavy winds to bring thick, choking smoke to many areas of the county, much of it from a fire near Castaic that officials are worried may make it's way into Ventura County and the town of Piru.

One home has been damaged and 200 others are threatened in the Santa Rosa Valley as firefighters battle a blaze that started this morning.

Fire officials are recommending evacuations in the Lexington community in the Santa Rosa Valley due to a fire there that broke out late this morning.

The Lexington Community include Nightsky Drive, Riverrun Lane, Knob Lane, Crestline Drive, Lexington Hills Land and Ripple Creek lane.

The fire started at about 11 a.m. on Nightsky Drive had burned 40 acres and was 30 percent contained by 4 p.m. Fire officials expect the fire to be fully contained by 7 p.m.

The roof of one home on Presilla Road caught fire, but officials said at 4:10 p.m. that the home was not severely damaged.

Firefighters were battling a fire that had moved west of Piru toward Fillmore Sunday night, burning more than 2,000 acres and triggering evacuations.

The fire that began Saturday near Castaic Lake was north of Lake Piru in a an area known as Blue Point campground early Sunday evening, said Ventura County Fire Department information officer Nick Cleary. Residents of Piru Canyon were being recommended to evacuate. There were also precautionary evacuations for homes in Fillmore and Piru that bordered on wilderness areas.

"It's crossed the county line," Cleary said, noting the fire was being pushed west. "They're concerned that it could burn toward Fillmore, Piru and Santa Paula."

A shelter had been set up at Fillmore Veterans Memorial Building at 511 Second Street. Livestock was being taken at the Ventura County Fairgrounds and small animals at the Ventura County Animal Shelter in Camarillo.

Cleary said no injuries had been reported and that it was impossible to tell if any structures had been damaged because the fire was in inaccessible areas.

Area residents said they were wary but not yet alarmed.

"I feel very uncomfortable but safe," said Janet Bergamo, president of the Piru Neighborhood Council. "It's very disturbing. I had a tree blow down in my yard. It missed my car by an inch."

Thomas Rodriguez, a custodian at Piru School, held up a phone so a reporter could hear the winds whistling at gale force. He said he seen about eight fire engines and a bulldozer but also noted that things actually looked better late Sunday afternoon than earlier in the day.

About 320 people were fighting the fire in efforts coordinated by Ventura and Los Angeles county fire departments and by the U.S. Forest Service. Heli-tankers were dropping water and hand crews also were at work.

Cleary said people in Fillmore and Piru should be clearing brush from around their homes and organizing their exit strategies.

"Just be ready," he said, noting that the rash of firefighters had creating a juggling act for fire departments.

Ventura County Fire Capt. Barry Parker said the fire threats throughout the county would remain high as long as the Santa Ana winds continue to blow. The gusts are expected to continue today and conditions will be ever drier.

"Expect conditions to be the same if not worse," he said.

Smoke from the fires has led the Ventura County Air Pollution Control District to issue an air quality advisory for particles due to smoke and blowing dust.

"The blowing smoke is due to mini-wildfires in and around Ventura County. If you are experiencing respiratory effects you may want to remain inside, reduce physical activities, and or see a doctor if necessary," the VCAPCD wrote on its Web site.

Ventura County firefighters have also had their hands full putting out small brush fires, said Ventura County Fire Department spokesman Bill Nash.



"We've been running like crazy this morning," Nash said.

A fire near Moorpark started at 7 a.m. south of Tierra Rejada Road and north of Moorpark Road and was fully contained by 8:42 a.m.

But the Nightsky fire broke out at around 11 a.m. and it's unknown if those fires are connected.

Two other fires, one near Guiberson Road in Fillmore and another on near South Mountain Road in Santa Paula, were doused quickly, but firefighters are still on scene mopping up and watching for hot spots, Nash said.

Despite the remote locations of those fires, Nash said the department has responded with heavy resources.

"We've been planning for this event for several days now," Nash said.

There were also dozens of calls for downed trees and other wind-related damage, Nash said.

There have also been reports of scattered power outages around the county.

The National Weather Service in Oxnard has issued high wind warning for the county with winds up to 80 miles per hour expected in the mountains and possible gusts up to 100 miles per hour. The "strong damaging winds" are expected to continue through Tuesday, though lulls are expected in late afternoon and early evening hours of each day, the weather service officials said.

Evacuations have been recommended in areas of the Santa Rosa Valley, Piru and Fillmore as two fires are threatening homes in those areas, fire officials said.

Fire officials are recommending evacuations in the Lexington community in the Santa Rosa Valley due to a fire there that broke out late this morning.

The Lexington Community include Nightsky Drive, Riverrun Lane, Knob Lane, Crestline Drive, Lexington Hills Land and Ripple Creek lane.

The fire started at about 11 a.m. on Nightsky Drive and was 20 percent contained by 2:15 p.m. and was expected to be fully contained before nightfall, said Capt. Ron Oatman with the Ventura County Fire Department.

A fire that started near Castaic, known as the Ranch Fire, has pushed over the county line north of Lake Piru. Officials are evacuating residents from Piru Canyon and there are precautionary evacuations taking place in Piru in Fillmore.

The Ranch Fire broke out late Saturday and has consumed about 1500 acres in northeast Los Angeles County. The fire is burning southwest pushed by 20-30 mph winds with gusts to 60 mph. The terrain is rugged with medium to heavy chaparral brush typical of Southern California. This area has not burned for approximately 40 years, fire officials said.

Ventura County firefighters have also had their hands full putting out small brush fires, said Ventura County Fire Department spokesman Bill Nash.

"We've been running like crazy this morning," Nash said.

A fire near Moorpark started at 7 a.m. south of Tierra Rejada Road and north of Moorpark Road and was fully contained by 8:42 a.m.

But the Nightsky fire broke out at around 11 a.m. and it's unknown if those fires are connected.

Two other fires, one near Guiberson Road in Fillmore and another on near South Mountain Road in Santa Paula, were doused quickly, but firefighters are still on scene mopping up and watching for hot spots, Nash said.

Despite the remote locations of those fires, Nash said the department has responded with heavy resources.

"We've been planning for this event for several days now," Nash said.

There were also dozens of calls for downed trees and other wind-related damage, Nash said.

There have also been reports of scattered power outages around the county.

The National Weather Service in Oxnard has issued high wind warning for the county with winds up to 80 miles per hour expected in the mountains and possible gusts up to 100 miles per hour. The "strong damaging winds" are expected to continue through Tuesday, though lulls are expected in late afternoon and early evening hours of each day, the weather service officials said.





# Officials don't see weather helping to douse Malibu fire

## Fires rage in Southland

By Tony Biasotti

Monday, October 22, 2007

Dana Rene Bowler / Star staff Firefighters get ready to fight the Malibu fire near an apartment complex in the 23300 block of Pacific Coast Highway. Five homes were destroyed and others damaged in the fire, which started Sunday morning near Malibu Canyon Road.

Dana Rene Bowler / Star staff As flames burn on the hillside behind him, Henry Pope comforts his dog Tobey across from his apartment in the 22300 block of Pacific Coast Highway in Malibu. The fire, which started early Sunday morning, had burned 2,200 acres and was reported 10 percent contained as of late Sunday. Firefighters expect to battle the blaze all week.

Fires roared through Malibu, the Santa Rosa Valley and across Southern California on Sunday, fueled by dry brush and fanned by Santa Ana winds gusting more than 50 mph.

One fire destroyed a church, five homes, two commercial buildings and three businesses in Malibu, forcing hundreds of residents to escape with their valuables and animals ahead of clouds of choking smoke and ash. Sixteen other homes and five businesses also were damaged. One firefighter was slightly injured.

The Malibu fire was among at least 10 blazes that burned more than 20,000 acres Sunday, stretching from north of Santa Barbara to San Diego. Gov. Arnold Schwarzenegger has declared a state of emergency in seven Southern California counties, including Ventura.

In Ventura County, firefighters battled a blaze that moved west of Piru toward Fillmore on Sunday night, burning as many as 6,000 acres, and in the Santa Rosa Valley, 40 acres burned and 250 homes were threatened.

The Malibu fire started around 5 a.m. in Malibu Canyon, just east of Pepperdine University. By 10 p.m., it had burned 2,200 acres and was 10 percent contained.

Officials believe that the fire may have started when power lines were blown down, but there is no official determination of the cause.

Firefighters will be fighting the blaze all week and aren't expecting any help from the weather, Los Angeles County Fire Capt. Kurt Schaefer said. The erratic winds, which are expected to blow through Tuesday, could change the direction of the fire at any time, he said. The winds also made it difficult to approach the fire safely and to drop water accurately.

"We are just at the beginning of our wind event," he said. "Anyone in this general area of Malibu needs to put themselves on alert, and they need to be prepared to evacuate."

The fire burned southeast from Malibu Canyon and by late morning had reached Malibu's central business district along Pacific Coast Highway.

Schaefer said officials aimed to keep it south of Mulholland Highway, west of Las Flores Canyon and east of Corral Canyon. More than 700 firefighters were fighting the blaze Sunday.

By Sunday afternoon, the flames were within about 10 yards of homes and businesses on the north side of PCH. Residents and business owners stood on their roofs and hosed down their properties. One person had landscapers douse a home with fire-retardant foam.

Nearly every business along PCH was closed, except for Colony House Liquors. Manager Michel Kerbage said he didn't consider closing even when the fire started to come down the hillside behind the store.

"Business is wonderful today," he said as a group of firefighters came in for soft drinks.

One Malibu resident, who gave only her first name, Lisa, was getting ready with her husband to leave their home on PCH. Putting photos and paperwork in the car, she said she was reluctant to leave because she had an 11-year-old iguana in a big tank in her home and wasn't able to move it.

"We're waiting until it gets right at our building," she said. "I feel safe here. The firefighters are doing a good job."

Andrew Kaufman took refuge from the smoke at the Malibu Country Mart near the ocean.

"It's been really bad for most of the day," said Kaufman, wearing a blue bandanna around his face as he sat in his car.

As Kaufman spoke, the wildfire consumed the landmark Castle Kashan, a stately fortesslike home with turrets and arched windows. Chunks of brick fell from the exterior of the burning building overlooking the coast.

The fire also toppled a Spanish-style tower at the Malibu Colony Plaza shopping center next to PCH, damaging four businesses.

"We're lucky it wasn't worse," Malibu resident Celia Andrews said.

Andrews, who lives off Malibu Canyon Road, said she felt lucky that her home was not damaged.

"For a while, it looked as if the fire could go any way," she said.

By midafternoon, much of the fire seemed to be centered on an area two miles east of Malibu Country Mart. The fire brought thick smoke to that part of PCH, which is dotted with stores and other outlets.

"I wouldn't be surprised if some of the buildings there don't make it," said Stu McNelis, manager of the Malibu Country Mart.

Sunday's fires began nearly four years to the day after two of the most damaging wildfires in Ventura County history.

On Oct. 25, 2003, the Simi Valley fire broke out. It caused no deaths, but burned 108,204 acres in Ventura and Los Angeles counties, and destroyed 37 homes and 27 outbuildings.

Two days earlier, on Oct. 23, the Piru fire started. It caused no deaths, but burned 63,991 acres in Ventura County and destroyed one home, one commercial structure and six outbuildings.

About 1,500 people have been evacuated from the Malibu fire, Los Angeles County Fire Chief Michael Freeman said. The fire department ordered evacuations in the Carbon Canyon and Big Rock areas, and lower Topanga Canyon and La Tuna Canyon. Residents of those areas can bring their large animals to Pierce College in Woodland Hills.

At Pepperdine University, where the fire department set up a command post, roughly 2,000 students, faculty and staff were being sheltered in three buildings on campus, spokesman Jerry Derloshon said.

PCH was closed between Kanan Dume Road to the west and Topanga Canyon Boulevard to the east. Malibu Canyon Road was closed between PCH and Piuma Road.

Agoura High School has been set up as an evacuation center, and Malibu High School will serve as an information center. Also, sheriff's deputies will be posted along PCH to help people.

— *The Associated Press contributed to this report.*



© Ventura County Star

## Ranch Fire surrounds Piru, Nightsky Fire contained, small blazes doused

Originally published 07:19 a.m., October 22, 2007

Updated 05:17 p.m., October 22, 2007

Officials have expanded evacuation recommendations to all of Piru and parts of Fillmore as fears over the Ranch Fire's spread intensify.

The Ranch Fire grew overnight from 10,000 to 29,000 acres. It was only 10 percent contained as of 7 a.m.

The Nightsky fire in the Santa Rosa Valley is now 100% contained with full control expected by about 5 pm.

Engines and crews remain on-scene putting out small fires within yesterday's burn area and providing structure protection. The fire was contained at 35 acres.

And firefighters are responding to a number of small fires in Ventura County this afternoon.

### **RANCH FIRE / PIRU**

The Ranch fire, a mile away from Highway 126, north of Piru, is starting to surround the town.

But firefighters aren't able to gauge exactly where the fire is headed because of difficult flying conditions, said Capt. Barry Parker of the Ventura County Fire Department. Wind gusts have reached up to 70 mph.

Firefighters are unable to directly fight the fire because of that wind.

Instead, they are working to protect structures.

"There isn't any amount of firetrucks you can stack up and make a difference on this fire," Parker said. ""You can't hardly stand up let alone get in front of it."

With winds expected to continue through Tuesday, firefighters are bracing for the worst. Parker said he's worried the Ranch fire will join the Castaic fire. They want to keep it from moving south of the 126.

"If this were the only fire in southern California we would have hundreds of firetrucks here," he said.

But there are fires all over southern California today.

"We can't expect a lot of resources," he said.

Although the fire has not reached the town of Piru, residents have been asked to evacuate to make it easier for firefighters to fight the blaze when it gets there. But so far, most people have been unwilling to go, Parker said.

"People have a false sense of security," he said.

Ventura County Batallion Chief Mike Sidlinger said because a lot of the area burned in a 2003 fire, there's a lot of young grass that is highly flammable, so the fire is moving quickly.

Jose Castaneda of Oxnard was in Piru today to help his children evacuate because some of them have asthma.

"This is the windiest I've ever seen it," he said.

He noted he has cousins from Arizona who are firefighters who have been dispatched to this area.

Gloria Devalos said Piru is a town that really works together and she thinks they can get through this.

"Around here we all look out for each other," she said.

Andy Arias was repairing a garage door that had been damaged in the wind the night before. He said he isn't too worried.

"We've got the river and the park" between the hillsides and the town, he said.

The Ventura County Sheriff's Department has issued recommended evacuations for Piru Canyon, Hasley Canyon and Oak Canyon. Precautionary evacuations have been issued for all of Piru south to Highway 126.

Officials have also recommended precautionary evacuation of Fillmore residents at Foothill Drive, Shady Lane, Ash Circle, Maple couort and Hunter Lane.



The evacuation center is at Fillmore Veterans Memorial Building, 511 Second St., 524-1500.

In Fillmore, roads are closed at C Street between Old Telegraph and Meadowlark. Highway 126 is closed between Main Street in Piru and Chiquita Canyon.

In Piru, streets closed include Hasley Canyon north of Del Valle, Piru Canyon at Orchard, and Piru Canyon at the lake.

One trailer, which may have been a residence at one point, was burned by the Ranch Fire, said Battalion Chief Ranger Dorn of the Ventura County Fire Department. No one was injured.

Wind, smoke and fire have Piru residents on edge.

"I slept in my clothes just to be ready," she said.

Molina and her neighbors were standing on the street watching the smoke over the hill.

Her neighbor Carlos Avila told his wife to pack up their medicine and some bare essentials in case things got worse.

At Lake Piru, deer were running about the charred hillsides as helicopters dipped water from the lake to use to fight nearby fires.

The westbound portion of Highway 126 is closed east of Piru and the eastbound portion is closed in Piru, according to the California Highway Patrol.

### **NIGHTSKY FIRE / SANTA ROSA VALLEY**

The Nightsky Fire, which threatened homes in the eastern Santa Rosa Valley, was declared fully contained at 7 a.m. today.

Officials expect the remaining portion of the blaze to be controlled, or put out, by 5 p.m. today, said Ventura County Fire Capt. Ron Oatman.

The area scorched by the blaze did not grow overnight, and was still estimated at 35 acres today, officials said this morning.

No injuries were reported in connection with the fire. The structural damage was limited to a portion of a garage roof at a hilltop estate on Nightsky Drive.

Fire investigators were at that location today, speaking with the homeowner. He declined to speak to a reporter about the incident.

Winds were still raking the Santa Rosa Valley region today, but the community's public school was in session and Santa Rosa Road was open to traffic and operating normally.

Firefighters continued working at various locations in the area, making sure no new problems occur and continuing their efforts to extinguish the smoldering fire.

Smoke continued to color the sky, most of the smoke coming from other brushfires to the northeast in Ventura and Los Angeles counties.

### **OTHER FIRES / INCIDENTS**

A new fire has started near Magic Mountain in Los Angeles County. The fire is currently estimated at 50 acres and is moving to the southwest. Smoke from this fire will certainly blow into Ventura County.

In Simi Valley, crews were fighting a fire in an attic of a home in the 3200 block of Valarie Avenue.

Crews from county and city fire departments are fighting a small brush fire near North Petit Avenue and Foothill Road in Ventura. About a third of an acre was burning about 1 p.m., according to the Ventura County Fire Department.

Ventura County crews have knocked down a fire this afternoon near Hitch Boulevard and Ventavo Drive in Moorpark.

The size of the fire was unknown, but the fire department said crews on the site said "a considerable amount of ground" had been burning in a lemon orchard.

County fire officials reported that a hand crew was mopping up any hot spots shortly after 3:30 p.m.

Firefighters worked to keep a fire in a Ventura barranca from igniting homes near Modoc Street and Nevada Avenue this afternoon. Crews from city and county fire departments responded to the fire about 4 p.m. and reported it knocked down by 4:45 p.m.

In Simi Valley, crews extinguished a fire in an attic of a home in the 3200 block of Valarie Avenue this afternoon. Four people, including two in the home and two bystanders, were checked out by medical personnel, but none had to be transported to a hospital.

The fire was reported under control by 1:30 p.m.

The Rose Avenue offramp on Highway 101 in Oxnard was closed about noon, as firefighters put out a small fire that burned debris and some palm trees nearby. The ramp was reported open again at 1 p.m.

Two other fires, one in Simi Valley and one between Ventura and Santa Paula, were reported earlier this morning. Both turned out to be small fires and as of 9:15 a.m. were not posing a serious threat, fire officials said.

All classes at Moorpark College have been cancelled, including classes at the High School at Moorpark College.

The Ventura County Sheriff's Department reports numerous trees are down throughout the county. There are also numerous accidents, including vehicles into trees and poles.

The Malibu Fire did not grow significantly overnight. It was at 2,200 acres as of early this morning. It is about 10 percent contained.

Governor Arnold Schwarzenegger has proclaimed a state of emergency for the counties of Ventura, Santa Barbara, Los Angeles, Orange, Riverside, San Bernardino, San Diego due to more than eleven major wildfires. Throughout the region, more than 30,000 acres have already burned, and more areas are threatened. The wildfires have burned homes, businesses and other structures.

#### Weather:

High-wind warnings are still in effect for Ventura and Los Angeles counties, according to the National Weather Service. The warnings will remain in effect until 3 p.m. Tuesday.

Winds will be from 30 to 45 mph throughout much of the county, with gusts up to 70 mph in some places. Winds are expected to be from 35 to 50 mph in the mountain areas, with gusts up to 80 or 90 mph.

The relative humidity will continue to be in the single digits and teens for the county throughout the day because of the Santa Ana winds.

Temperatures will be in the upper 80s and mid-90s today along the coast and in the mid 80s to mid 90s inland.



© Ventura County Star

## Nightsky blaze claims 35 acres by Moorpark

By Kathleen Wilson  
Monday, October 22, 2007

Guy Kitchens / Special to The Star Ventura County firefighters study the Nightsky fire, which broke out south of Moorpark on Sunday.

A fire smoldered and burned 35 acres Sunday in the hills and canyons north of Santa Rosa Road, an area dotted with million-dollar estates in a semi-rural area of unincorporated Ventura County.

By 8 p.m., the fire was 60 percent contained, with full containment expected this morning.

The cause of the fire was still being investigated Sunday evening. About 150 fire personnel worked to suppress the fire south of Moorpark.

By nightfall, the fire was burning deep in the canyons, where the ridge line sheltered the flames from the whipping wind, said incident commander Scott Hall.

A precautionary evacuation along Santa Rosa Road, north of Las Posas Road, was lifted around 9 p.m. Roadblocks set up in the area earlier in the day had been taken down by 8 p.m.

No injuries were reported, but the roof of one home burned in Lexington Hills, the gated community off Moorpark Road where the fire was spotted Sunday morning.

On Sunday afternoon, the Rathje family overlooked the charred hills where what is being called the Nightsky fire had gotten dangerously close to their home hours earlier.

Before that fire began, another smaller one in the same area started but was quickly extinguished by firefighters, they said.

Lars Rathje, 20, said two power lines were pushed by strong winds and collided. Sparks flew, and the hills below their home on Nightsky Drive were set ablaze, he said.

With the help of neighbors, Lars Rathje and his 15-year-old brother, Hans, helped squelch hot spots by shoveling dirt onto them. Charred lavender could be seen at the Rathje family's home.

The brothers' mother, Vicky Rathje, is a commercial lavender grower and said about 2 1/2 acres of lavender were destroyed.

"The most important thing is that everyone's safe," said Vicky Rathje, 46. "Things can be replaced."

Several Santa Rosa Valley residents, including Vicky Rathje, said the community came together to help each other put out fires near their properties.

Resident Andy Marsh, who also lives on Nightsky Drive, said a row of his avocado trees was destroyed. Marsh's home was not damaged, though, and he stayed to protect it, hosing down smoldering land.

No fire had ever come "this close to my house," said Marsh. "We were concerned."

Resident Bob Chapek was concerned enough to help fight the fire near his home, but none of his property was damaged.

Chapek said the fire almost jumped Nightsky Drive.

"We just didn't want it to spread," said Chapek, 48.

Chapek said he's seen four fires during the eight years he's lived in the neighborhood.

"We have so many fires here, this is almost a way of life," Chapek said.

County Fire Chief Bob Roper, who toured the fire scene Sunday afternoon, said the biggest problem was smoldering shredded bark used in landscaping around homes. The bark was catching fire and flowing downhill, starting new fires.

"The ember gets in there and sits there and smolders," he said.

Earlier in the day, the winds also hampered water drops from firefighting helicopters, Hall said. Fixed-wing planes had to drop fire retardant.

Rick Shurtz and his wife, Karen, were staying put in their home on Presilla Road but were watching to make sure the fire didn't flare up too close to their home. They had already sent their children to a friend's home in Camarillo.

Shurtz said they see fires every year but this was the closest.

Residents, some who live miles from the fire, were driving up to the command station at Santa Rosa School to see if they should evacuate. Many were keeping in touch through an active phone network of community residents.

"Everyone calls around to find out what's going on," said resident Chuck Matthews. "They stay pretty well informed. The valley is a pretty close-knit area."

Dee Van Daalenwetters, who collects classic cars, including a World War II-era Bugatti, said she was "trying very hard not to panic."

Van Daalenwetters and her husband had put their cat in a box and gathered up their photos after being told by firefighters they could be evacuated.

"These are the things that are important to us," she said. "It's important that we just get out — no casualties."

Carolyn Migliazzo, wearing a surgical mask as she stood in front of her house, was ready to evacuate her horse from her backyard in the Bridlewood neighborhood. She also had pointed her car facing the road, as directed by firefighters, "so they know you're home."

Jessica Douglas, a single mother of three, said she was across town at her niece's birthday party when "the sky went black."

"This is scary," she said after speaking with officials at the command station.

On Ridge Drive, a contingent of firefighters was calming homeowners and watching for spot fires in the valley beneath. They helped residents move lawn chairs and firewood and create 360-degree clearance zones around the homes.

Conditions were "very, very dry" with winds in the canyons gusting up to 80 miles per hour, said Vern Alstot, strike force leader with the Ventura City Fire Department.

Fire officials said winds were expected to continue through Tuesday.



# 6,000-acre fire north of lake is heading west

## Piru, Fillmore evacuations urged

By Tom Kiskien  
Monday, October 22, 2007

Firefighters were battling a blaze that had moved west of Piru toward Fillmore on Sunday night, burning at least 6,000 acres and triggering evacuations.

As of 9 p.m. Sunday, the fire had no containment.

The fire, which began Saturday near Castaic Lake, was north of Lake Piru in an area known as Blue Point Campground by early Sunday evening, said Nick Cleary, Ventura County Fire Department information officer.

The department recommended that residents of evacuate several canyon areas, including Piru, Holser and Dominguez. There were also precautionary evacuations for homes in Fillmore and Piru that bordered on wilderness areas, Cleary said.

"It's crossed the county line," Cleary said. "They're concerned that it could burn toward Fillmore, Piru and Santa Paula."

A Red Cross shelter had been set up at Fillmore Veterans Memorial Building at 511 Second St. The city set up an emergency operations center at City Hall.

Carol Rogers, a Red Cross volunteer, was cautiously optimistic.

"Any fire worries me, but I have a lot of faith in our Fire Department," she said.

Livestock was being taken to the Ventura County Fairgrounds, with small animals sent to the Ventura County Animal Shelter in Camarillo.

Cleary said that no injuries had been reported and that it was impossible to tell if any structures had been damaged because the fire was in inaccessible areas.

Area residents said they were wary but not yet alarmed.

"I feel very uncomfortable but safe," said Janet Bergamo, president of the Piru Neighborhood Council. "It's very disturbing. I had a tree blow down in my yard. It missed my car by an inch."

Many people were already leaving the area, and Ventura County sheriff's deputies were in Piru telling people to be ready to evacuate.

"I'm worried," Richard Jimenez said as he stood on Main Street as winds whipped store signs and bent trees Sunday.

Jimenez, 22, said he'd gone to Lake Piru. "There were flames, and it looked like it was coming down pretty quick," he said.

Jimenez lives with his mother, who has already left the area. Jimenez said he'd heard that the fire had jumped Piru Dam. "I'm going to stay until they tell me to leave," he said.

Thomas Rodriguez, a custodian at Piru School, held up a phone so that a reporter could hear the wind whistling at gale force. He said he had seen about eight fire engines and a bulldozer go by, but also noted that things actually looked better late Sunday afternoon than earlier in the day.

At least 1,000 firefighters were working the fire in efforts coordinated by the Ventura and Los Angeles county fire departments and the U.S. Forest Service. Helicopter tankers dropped water and hand crews also were at work.

Cleary said people in Fillmore and Piru should be clearing brush from around their homes and organizing their exit strategies.

"Just be ready," he said, noting that Sunday's rash of fires had created a juggling act for fire departments.

"We're bouncing resources around from fire to fire as needed," Cleary said.

Richard Mewherter, who works at Piru Market and Liquor Store, said he couldn't see fire on the ridge, so he was staying put for the time being.

"If I see flames, then I am going to get in my truck and leave," said Mewherter, who acknowledged that there was a mood of alertness in Piru. "Things change quick. I've never seen wind this bad, and I was born and raised in California," the 68-year-old Piru resident said.

Ventura County Fire Capt. Barry Parker said fire threats throughout the county would remain high as long as the Santa Ana winds continued to blow. The gusts are expected to continue today, and conditions will be ever drier.

"Expect conditions to be the same if not worse," he said.





© Ventura County Star



## Supervisors get fire report

By Tony Biasotti

Originally published 11:37 a.m., October 23, 2007

Updated 11:37 a.m., October 23, 2007

The staggering wave of fires Southern California is experiencing could do more damage across the region than the destructive firestorms of four years ago, Ventura County Fire Chief Bob Roper told the county Board of Supervisors today.

Roper said this wave of fires is more intense than the big fires of 2003, and in cost — as far as money, property damage and loss of life — the toll will probably exceed the 2003 fires by 300 percent, or threefold, he said.

"In Southern California, what you're going to see is some whole communities wiped out when the smoke clears," Roper said.

Ventura County has not suffered the worst of the current fires. Roper said that in the past three days there have been 17 brushfires that started in the county, and every one of them — except the Nightsky Fire in the Santa Rosa Valley — were put out quickly before they could really spread.

The Nightsky Fire began Sunday and was contained on Monday.

County Agriculture Commissioner Earl McPhail told the supervisors, "We haven't heard of any (crop) damage from the fire but we have sustained a tremendous amount of damage from the wind. What didn't freeze in January is now on the ground," he said, referring in particular to tree crops such as citrus and avocados.

The board voted unanimously Tuesday to declare a state of emergency, a necessary step for certain types of relief assistance.





## Magic fire nears Simi; residents in some areas urged to leave

By Zeke Barlow , Sam Richard , Kathleen Wilson  
Tuesday, October 23, 2007

Photos by Chuck Kirman / Star staff Smoke billows from the Ranch fire near Lake Piru. The blaze had burned 41,000 acres and was 10 percent contained by Monday.

Dana Rene Bowler / Star staff Firefighters get ready to fight the Malibu fire near an apartment complex in the 23300 block of Pacific Coast Highway. Five homes were destroyed and others damaged in the fire, which started Sunday morning near Malibu Canyon Road.

Dana Rene Bowler / Star staff As flames burn on the hillside behind him, Henry Pope comforts his dog Tobey across from his apartment in the 22300 block of Pacific Coast Highway in Malibu. The fire, which started early Sunday morning, had burned 2,200 acres and was reported 10 percent contained as of late Sunday. Firefighters expect to battle the blaze all week.

A fire that started near the Six Flags Magic Mountain amusement park in Valencia on Monday afternoon was moving toward Simi Valley overnight, officials said.

Sheriff's deputies issued a precautionary evacuation order for unincorporated areas north of the city. Included were residents living in areas along Tapo Canyon, Ditch and Bennett roads.

Sheriff's Sgt. Don Aguilar said late Monday that he understood that the fire was about three miles east of the county line.

The Los Angeles County Fire Department, however, could not confirm that location.

"Right now it's 1,200 acres and growing, with 20 percent containment," said Sam Padilla, an inspector for the department. "It's not in Ventura County yet."

The Sheriff's Department conducted the Simi evacuations in unincorporated county territory, but city officials said it was not necessary yet within the city of 125,000.

The fire broke out shortly after 2 p.m. on the western side of Santa Clarita. The blaze more than doubled in size from 500 to 1,200 acres during the day, officials said.

Bill Nash, a spokesman for the Ventura County Fire Department, said that more than 100 fire engines and more than 300 firefighters from both counties were already committed to battling the blaze.

"We're concerned," Nash said Monday evening. "Simi Valley is a big city. There's a lot of property. We want to make sure it is protected. We are going to do everything we can to keep it from getting there, but we're going to be ready for it if it does. We have fire engines staging in Simi Valley as we speak."

Another fire was also headed west toward Castaic and Ventura County, but Los Angeles County fire officials said they had slowed its progress since the Buckweed blaze was reported at 1 p.m. Sunday. By Monday evening, about 5,500 homes and about 15,000 people had been evacuated, and the fire had consumed more than 35,000 acres. Fifteen homes were destroyed. "We have been able to hold it for the last four hours or so," said Padilla said.

### **Ranch fire near Piru, Fillmore**

Farther north, smoke filled the sky in Fillmore and Piru, as residents readied themselves Monday for the arrival of the flames of the Ranch fire, which slowly chewed through the hills above the small towns.

While many packed medicine and important papers, the majority of the residents stayed home despite fire officials' recommendations that residents evacuate.

As of Monday evening, the Ranch fire had burned 41,000 acres and was 10 percent contained. Three homes and four outbuildings had been destroyed. Along with homes, the condor sanctuary and the Sespe Wilderness are threatened by the fire, which began Sunday.

More than 700 firefighters battled the blaze Monday, fighting winds gusting to 55 mph. The eastern portion of the fire was moving south toward Highway 126 and was within 200 feet of the road on Monday evening, and the western edge was at Hopper Canyon, between Fillmore and Piru.

By the evening, wind gusts had died down along the 126 and had slowed to 20 mph in Piru Canyon.

The Federal Emergency Management Agency has authorized federal funds to help fight the Ranch fire. The authorization makes FEMA funding available to pay 75 percent of the state's eligible firefighting costs.

The high winds fueled fires in cities throughout the county, with firefighters jumping on blazes in Simi Valley, Moorpark, Oxnard and Ventura and quickly extinguishing them.

In the afternoon, deer scampered about the charred hillsides as helicopters dipped water from the lake to be used to fight nearby fires.

Many in this small town have lived through fires before, including the massive October 2003 fire, which burned almost 64,000 acres. Despite a recommendation from fire officials that they evacuate, they said they wouldn't leave their homes until they could see the flames leaping from the ridges above town.

### **Resources are tight**

But Ventura County Fire Department Capt. Barry Parker warned against it because powerful gusts could easily fan the fire and push it into town.

Because of the number of fires around Southern California, resources are tight, Parker said.

"It's a false sense of security," he said. "Don't expect a lot of resources."

Fire officials also recommended evacuation for residents on the eastern edge of Fillmore because the fire was approaching Hopper Canyon Ridge.

Some Piru residents watched the smoky sky on Monday and went about their normal lives.

At Phil's Livestock, a ranch for animals used in Hollywood films, they were laying hose around the property but didn't expect to move the more than 300 yaks, buffaloes, flamingoes and other animals on the farm outside of Piru.

"They've been around bombs (in films), a little fire isn't going to bother them," said Mike Fanning, who was helping ready the farm.

Early Monday morning, Carlos Avila and his neighbors were leaning on a fence after taking their trash out, and looking out at the sky.

"It's been worse before," Avila said.

But he did tell his wife to pack up their medicine and some bare essentials in case things got worse.

Some residents were so worried they took firefighters' advice and moved into the Fillmore shelter.

By early afternoon Monday, about 12 families, most of them from Piru, were at the evacuation center at the Veterans Memorial Building, 511 Second St. in Fillmore.

Richard and Brandy Seher and their 2-year-old son, as well as the family's pets, arrived at the shelter after a night of strong winds and thick smoke.

"It definitely was not a good night for sleep," Brandy Seher said.

"This is our first disaster. We'll have a little experience if this ever happens again," she said.

Personnel with Ventura County animal services took the Seher family's pets to Simi Valley, she said.

Veronica Rodriguez, 23, of Piru, evacuated her son and two siblings from their home, took photographs and two or three days worth of clothes and diapers. They arrived Monday morning, but Rodriguez's mother and father stayed in Piru to wet down their house.

The fire was not much of a worry to her family, Rodriguez said. "We're kind of used to it. It always burns" in the Piru area, she said.

The shelter could be open all week, and overflow room is available at Fillmore High School and a youth center adjacent to the memorial building, said shelter manager Michael Jawitz. Assistance will be provided in transferring animals to shelters in Simi Valley, Camarillo or Ventura.

### **Fire moving south and west**

The city of Fillmore declared a local disaster Monday, enabling city officials to make emergency purchases and decisions, said Deputy City Manager Bill Bartels.

The Ranch fire moved south and west, circling Piru, but remained about five miles from the downtown area. Firefighters were staged all along Highway 126, to make sure the Ranch fire didn't jump the road.

Firefighters weren't able to gauge exactly where the fire was headed because of difficult flying conditions, Parker said.

Unable to attack the fire directly because of the windy conditions, firefighters mainly worked to protect structures.

Ventura County Battalion Chief Mike Sidlinger said because a lot of the area was burned in the 2003 fire, there's a lot of young grass that is highly flammable, so the fire moved quickly.

In other fires in Ventura County:

n Ventura County crews knocked down a fire Monday afternoon near Hitch Boulevard and Ventavo Drive in Moorpark. The size of the fire was unknown, but the fire department said crews at the site said "a considerable amount of ground" had burned in a lemon orchard. Fire officials reported a hand crew was mopping up hot spots shortly after 3:30 p.m.

n Firefighters worked to keep a fire in a Ventura barranca from igniting homes near Modoc Street and Nevada Avenue. Crews from city and county fire departments responded to the fire about 4 p.m. and reported it knocked down by 4:45 p.m.

n In Simi Valley, crews extinguished a fire in an attic of a home in the 3200 block of Valarie Avenue. Four people, including two in the home and two bystanders, were checked by medical personnel, but none had to be taken to a hospital.

n Crews from county and city fire departments fought a small brush fire near North Petit Avenue and Foothill Road in Ventura, where about a third of an acre burned.

n The Rose Avenue offramp on Highway 101 in Oxnard was closed about noon, as firefighters put out a small fire that burned debris and some palm trees nearby. The ramp reopened at 1 p.m.



© Ventura County Star



## Wildfires still making it difficult to play

By Derry Eads

Wednesday, October 24, 2007

Practices and games by area high school athletic teams were canceled Tuesday as smoke from wildfires affected the air quality in Ventura County.

The status of Friday's loaded schedule of high school football games as well as the Ventura County Cross Country Championships could be decided as early as today.

Schools in Simi Valley, Moorpark and Fillmore were closed Tuesday. The Conejo Unified School District revoked all outside activities.

The Oxnard Union High School District proceeded cautiously, allowing PE classes to move outdoors in the morning. A shift in the wind early in the afternoon caused the cancellation of all activities, including nine Pacific View League boys' water polo, girls' tennis and volleyball games. The league's championship girls' golf tournament was moved to Thursday at Victoria Lakes.

All Cal Lutheran athletic teams practiced indoors Tuesday and are planning to continue doing so until further notice, said Scott Chisholm, the university's sports information director. Cal Lutheran has a men's soccer home game against Occidental scheduled for today at 4 p.m.

Moorpark College cancelled today's home Western State Conference wrestling match against Bakersfield.

Having already missed two days of practice, today is a critical for high school football programs.

Football teams need more than one workout day before a game, said Marmonte League president Rick Naranjo, the assistant principal in charge of athletics at Agoura.

"If Royal can practice Wednesday, it has agreed to play us (Agoura) on Friday night," said Naranjo. "If they can't, we will move the game to Saturday."

Moorpark is working on a backup plan for its scheduled home football game Friday against Calabasas, said athletic director Rob Dearborn.



"We might move it by one day," said Dearborn.

Fillmore moved its Frontier League girls' volleyball game from Tuesday to Monday. A decision will be made quickly on Friday's home football game against Malibu.

"Nobody's been able to practice," said Fillmore athletic secretary Lynn Cole. "We've been told that both football teams should have two days of practice."

Grace Brethren and Oaks Christian have discussed contingency plans for Friday's scheduled football game at Moorpark College.

"It is in a holding pattern right now," said Grace Brethren athletic director Paul Sper. "We may move the game to Saturday or Monday."

St. Bonaventure cancelled all outdoor practices. Its JV football team worked out at Our Lady of Assumption elementary school, said athletic director Mike Gianelli.

There have been no air quality problems at Westlake.

"It was a fantastic day on Monday," said athletic director Drew Passalacqua. "Our coaches still took all the necessary precautions." However, a district directive prevented outside practices Tuesday.

"We are anticipating that everybody will be able to play games on Thursday."

Westlake's gym was available for the Pepperdine University men's basketball team to practice on Tuesday, said Passalacqua.

At Thousand Oaks, school officials are approaching practice and game schedules on a day-by-day basis, said athletic coordinator Gary Walin.



# Major wildfires burning in California, by county

Wednesday, October 24, 2007

Dana Rene Bowler / Star staff Firefighters get ready to fight the Malibu fire near an apartment complex in the 23300 block of Pacific Coast Highway. Five homes were destroyed and others damaged in the fire, which started Sunday morning near Malibu Canyon Road.

Dana Rene Bowler / Star staff As flames burn on the hillside behind him, Henry Pope comforts his dog Tobey across from his apartment in the 22300 block of Pacific Coast Highway in Malibu. The fire, which started early Sunday morning, had burned 2,200 acres and was reported 10 percent contained as of late Sunday. Firefighters expect to battle the blaze all week.

## Major wildfires burning in California, by county

### Ventura County

Ranch fire: About 47,240 acres in the Castaic area near Piru. Ten percent contained; three homes, four outbuildings destroyed, 500 homes and 50 commercial buildings threatened. No injuries reported.

### San Diego County

Witch fire: About 196,420 acres in northern San Diego County from Witch Creek to Rancho Santa Fe. One percent contained; 500 homes, 100 businesses and 50 outbuildings destroyed; 375 other structures damaged, including 250 homes and 50 businesses. Two civilians and 12 firefighters injured.

Harris fire: About 72,000 acres about 70 miles southeast of San Diego north of the border town of Tecate. Ten percent contained; 200 to 500 structures destroyed or damaged. 1,500 homes threatened. One civilian killed, 21 civilians and five firefighters injured.

Rice fire: At least 7,500 acres in Fallbrook in northern San Diego County. Ten percent contained; 206 homes and two commercial properties destroyed. One firefighter injured.

Poomacha fire: 20,000 acres on the La Jolla Indian Reservation and in northeastern San Diego County. No containment. Fifty homes destroyed. Ten firefighters injured.

#### Orange County

Santiago fire: About 18,000 acres east of Irvine. Thirty percent contained; 10 homes, two outbuildings destroyed. Four minor injuries to firefighters. About 3,000 people evacuated.

#### Los Angeles County

Buckweed fire: About 37,812 acres south of Agua Dulce in northeastern Los Angeles County. Eighty percent contained; 32 homes, 17 outbuildings and 40 vehicles destroyed. Four people injured. About 15,000 people and 5,500 homes evacuated.

Canyon fire: About 4,500 acres in coastal community of Malibu. 75 percent contained; six homes, two businesses, a church destroyed; nine homes, five commercial buildings damaged. Four people injured. About 1,500 people, including several celebrities, evacuated.

Magic fire: About 1,750 acres in northern Los Angeles County, including Stevenson Ranch. 93 percent contained with full containment expected today. No damages or injuries. The fire was accidentally started by construction workers welding in the area.

#### San Bernardino County

Slide fire: More than 4,000 acres in Green Valley Lake area of the San Bernardino Mountains east of Lake Arrowhead. At least 125 homes destroyed, 400 homes threatened and several communities evacuated.

Grass Valley fire: More than 1,000 acres in Grass Valley area northwest of Lake Arrowhead in the San Bernardino Mountains. At least 300 homes destroyed, 10,000 homes threatened. Many mountain resort communities and a hospital evacuated.

#### Santa Barbara County

Sedgewick fire: 710 acres near Los Olivos. Fully contained. No evacuations. No homes destroyed and no reports of injuries.

— The Associated Press



© Ventura County Star



## 'Too close,' says Piru rancher fighting to keep flames at bay

By Zeke Barlow  
Wednesday, October 24, 2007

James Glover II / Star staff A thoroughbred runs in its pen Tuesday as the Ranch fire burns to the borders of 6,000-acre Rancho Temescal in Piru.

Dana Rene Bowler / Star staff Firefighters get ready to fight the Malibu fire near an apartment complex in the 23300 block of Pacific Coast Highway. Five homes were destroyed and others damaged in the fire, which started Sunday morning near Malibu Canyon Road.

Dana Rene Bowler / Star staff As flames burn on the hillside behind him, Henry Pope comforts his dog Tobey across from his apartment in the 22300 block of Pacific Coast Highway in Malibu. The fire, which started early Sunday morning, had burned 2,200 acres and was reported 10 percent contained as of late Sunday. Firefighters expect to battle the blaze all week.

Ever since Tim Cohen bought 6,000 acres in the shadow of the massive dam that holds back Lake Piru, the dam breaking has been the least of his worries.

"In seven years, I've had the '05 floods, the '06 fire and the '07 freeze," he said of his farm, Rancho Temescal, which fills much of Piru Canyon. "And now the '07 fire."

Though the Ranch fire had been mainly tickling his property lines over the past few days, it reared its ugly head Tuesday afternoon when winds picked up and fanned flames into a 35-foot-high horseshoe-shaped inferno that ringed his ranch.

After a few tense moments of high flames coming close to his property, firefighters and Cohen's workers kept the fire at bay.

Most people in Piru and Fillmore were spared the effects of the fire Tuesday beyond the heavy smoke that clogged the sky. The fire loomed in the hills above the towns during the afternoon, coming about a mile from Piru and about two miles from Fillmore, but not making any dramatic advances toward either locale, said Ventura County Fire Department spokesman Nick Cleary.

Piru could be out of harm's way by tonight if the weather cooperates, Cleary said.

By Tuesday night, 1,264 firefighters were on the scene after coming from around the state to help out.

The 47,240-acre Ranch blaze began moving west into the Sespe wilderness area Tuesday evening, where the brush is thick after years without fire, he said.

"It's a concern because that fuel hasn't burned in any recorded time," Cleary said.

### **Homes, property destroyed**

Plans were being drawn up to get bulldozers there this morning to re-create fire lines that were made during last year's Day fire, he said. As of Tuesday evening, the Ranch fire was a mile from Fillmore and only 10 percent contained. It had destroyed three homes, four outbuildings and 14 boats, though only one home, an abandoned trailer, was in Ventura County.

With the fire burning around Lake Piru, Cohen spent the past few days getting ready for what seemed inevitable.

To ready his ranch, he filled his water tanks with 2 million gallons of water, laid fire hose around the property and kept sprinklers trained on the grassy fields where his prize horses with names like Suances and High Demand gallop.

"You can't stop an earthquake, and a flood is a flood, but with a fire you can do something to stop it," he said, as the fire climbed through the hills above his ranch.

He was confident the blaze would stay on the far side of Piru Canyon Road, where firefighters had protected a building filled with agricultural chemicals. He was hopeful it wouldn't jump the road, where an ornate barn houses some of his 85 thoroughbred horses and other buildings house ranch hands.

Then the wind changed directions. And strengthened, too.

"That's not where I want it," he said as he eyed a cluster of small flames that jumped the road and chewed through a hillside of dry brush. In moments the flames grew, burning more of the hillside as black smoke darkened the sky.

"Now I'm worried. That's too big. This is not good," he said.

The flames quickly marched up the hillside in two directions, toward the farmworker housing and deeper into the canyon. Flames climbed up the hill and towered over Piru Canyon Road.

### **A larger task at hand**

Audel Dominguez was driving down the road after feeding his cattle when an ember dropped onto a hay bale in his pickup truck and sparked a small, smoldering fire. A firefighter doused it before turning to the larger task at hand.

A "hot shot" crew quickly dug a line in front of one side of the fire to keep it from spreading down the canyon toward Piru about six miles away. As the fire grew, three rabbits scampered from the oncoming flames. Another wasn't fast enough and limped away with singed hair and burned skin.

The fire charged in the other direction, toward the farmworker housing and the propane tanks behind it.

Cohen had done aggressive weed abatement over the years, cutting a wide swath around his property, and hoped it would pay off. Workers climbed atop water trucks and sprayed down their homes as the flames grew to 30 feet on the hill behind them and firefighters kept the blaze from advancing. At times, the sky was completely dark. Within 10 minutes, the flames had passed the houses and moved toward the Santa Felicia dam, a massive concrete structure that couldn't burn. By day's end, all the hills around Cohen's property had burned, destroying only brush. His workers started going back to feeding the horses and other ranch chores.

"Too close," Cohen said as he looked at the smoldering fires. "Too close."



© Ventura County Star

## Editorial: Smoky precautions

Wednesday, October 24, 2007

Although not everyone in Ventura County is currently affected by the fires in the county and across Southern California, virtually everyone is feeling the effects of the smoke.

For most areas of Ventura County, air quality today is at the upper end of the orange category, meaning it is "unhealthy for sensitive groups" — children, people with asthma and heart or lung disease, the elderly and pregnant women.

The worst air quality registered in the county was in Fillmore on Monday, where air quality spiked into the red category, which is "unhealthy." That is a result of the Ranch Fire, which was burning toward Highway 126 on Tuesday.

Although air quality differs from city to city, the best advice is to use common sense. That means if it looks smoky outside, people should stay indoors and not do anything that requires heavy exertion.

Since children, especially those in sports, are the most likely to be exerting themselves outdoors, coaches and teachers should assess the situation before letting children play outside. Children are especially vulnerable to bad air because their airways are still developing and they breathe more air per pound of body weight than adults.

When indoors, people should keep doors and windows closed and put the air conditioner in "recirculate mode" if there is one. Drinking water also helps the body filter smoke particles. Consider bringing pets indoors. If the air is bad for humans, it's bad for pets, too.

Once the fires are out, we will all be breathing easier, literally and figuratively.

Air quality sites

[www.vcapcd.org/Forecast.aspx](http://www.vcapcd.org/Forecast.aspx)

<http://www.epa.gov>

<http://www.airnow.gov/>

<http://www.aqmd.gov/smog/>

The phone number for the Ventura County Air Pollution Control District is 662-6960.



© Ventura County Star



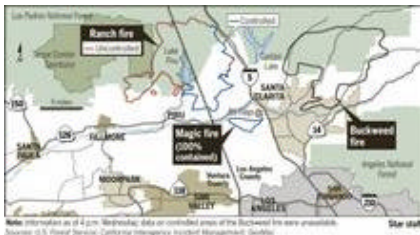


## Evacuations lifted for Ventura County, containment of Magic and Ranch fires expected

From staff reports

Originally published 07:03 a.m., October 24, 2007

Updated 03:48 p.m., October 24, 2007



Winds have died down, progress of all Ventura County fires has stalled, containment of the Ranch and Magic fires is expected later today, evacuations have been lifted and most road closures lifted.

In addition, while smoke from the fires is still present and expected to continue, officials say air quality is improving. However, they warn there can still be some times when air will be unhealthy and they continue to urge residents to use caution.

Fire fighters from across Ventura County are continuing to battle the Ranch Fire at this hour from the ground and from the air.

The fire, which crossed into Ventura County two days ago, was 45 percent contained as of 10:45 a.m. today.

Fire officials hope to have it fully contained by Oct. 31.

The fire has so far scorched 51,000 acres. The fire's western most flank has reached Oat Mountain, west of Piru Lake, said Capt. Pete Jensen of the Ventura County Fire Department.

"Fortunately for everyone, the winds are cooperating," Jensen said.

Weary fighters are going to a park in Fillmore where they are resting up before going out again to fight the fires again.

The mood at the temporary fire camp in Fillmore seemed more relaxed this morning, thanks in good part to the weakening Santa Ana winds.

Those winds made it very difficult to fight the more than dozen fires that have sprang up Southern California during the past four days. Firefighters would try to establish a containment line, only to have the winds carry embers over their heads and onto parched brush and scrubland behind them.

Despite the difficult topography, firefighters are having an easier time with the Ranch Fire than they did either the recent Day or Zaca fires, said Fred Burris, a captain with the Ventura County Fire Department.

Firefighters had to contend with thicker brush with the Day and Zaca fires, Burris said.

As firefighters have gained the upper hand in controlling the blazes here in Ventura County and northern Los Angeles County, many have been sent south to fight the fires in San Diego County, the scene of some of the most devastating infernos this week.

Some 40 firefighters from across Ventura County, including the cities of Ventura, Oxnard and Santa Paula, as well as Ventura County firefighters, are now in San Diego County, Jensen said.

Back in Ventura County, officials were able to able to reopen Highway 126 today. They also rescinded a recommended evacuation offer for residents of Piru.

An emergency center set up in Fillmore for those who left their homes, is scheduled to close at 6 p.m. today.

Meanwhile, six military cargo planes are waiting for word on where to join the air strike against the fires at Lake Arrowhead and San Diego.

The six C-130 aircraft are outfitted with a high-tech firefighting system, which sits inside the cargo bay. It can spray a 100-foot-wide area that's a quarter-mile long.

Each system contains five pressurized tanks capable of carrying 2,500 gallons of fire retardant.

The planes, which are based in Colorado Springs, Colo., Cheyenne, Wyo. and Charlotte, N.C., are being made available thanks to an agreement between the U.S. air National Guard and the U.S. Forest Service.

A wind advisory, which has been in place across the region since Sunday, was canceled today. The National Weather Service says heavier winds will persist at higher elevations today and Thursday.

But ocean winds are expected to return to much of coastal Ventura County later today. The winds are expected to be around 10 mph.

Temperatures across much of Ventura County are expected to remain in the mid to upper 90s today, despite the weakening Santa Anas.

As the high pressure system over the Great Basin in Utah moves east, temperatures here are expected to drop over the coming days, said Bill Hoffer, a spokesman for the National Weather Service in Oxnard.

Hoffer said temperatures should be back to the mid-70s by Sunday or Monday.

The air quality in Ventura County, which was blanketed with smoke during the first half of this week, also is improving, said Mallory Ham, an air-pollution meteorologist for the Ventura County Air Pollution Control District.

While the county continues to receive some smoke from the nearby fires, much of that smoke is higher up in the sky.

<sup>3</sup>We don't have nearly as much of it at the ground level as we did earlier this week,<sup>2</sup> Ham said.

The air quality is expected to improve in the days to come.

A shelter, which had been set up at the Ventura County Fairgrounds earlier this week for large animals, also is closing today. However, pet owners can still take their smaller animals to a similar shelter in Camarillo at 600 Aviation Drive. The shelter's phone number is 805-388-4341.

Here's the latest on county incidents from the Ventura County Fire Department:

**Ranch Incident:** As of 6 am, October 24, the fire has burned 51,337 acres and is 45% contained. This acreage is down from some previous reports due to more accurate mapping flights. 1,264 personnel are currently assigned to the incident. Seven structures - three residences and four outbuildings - have been destroyed. Containment is expected October 31.

**Where:** Active fire came through portions of the Condor Preserve in the Hopper Canyon area, but none of the facilities were destroyed. The fireline east of Piru is secure. The western progress of the fire was slowed by helicopter water drops in the area of Oat Mountain. The fireline between Piru and Fillmore will be the focus of the firefighting efforts today.

**Evacuations:** ALL FIRE-RELATED EVACUATIONS IN VENTURA COUNTY HAVE BEEN LIFTED. Residents of western Los Angeles County should call the Los Angeles County Sheriffs Department (661-255-1121)for evacuation information in their areas.

The American Red Cross Shelter at 511 Second Street in Fillmore is scheduled to close at 6 p.m.

**Road Closures:** Fillmore: C St. between Old Telegraph and Meadowlark to accommodate firefighting equipment. ALL OTHER FIRE-RELATED ROAD CLOSURES IN VENTURA COUNTY HAVE BEEN LIFTED. Residents of western Los Angeles County should call the Los Angeles County Sheriffs Department (661-255-1121)for road closure information in their areas.

**Magic Fire:** 8:15 am, October 24 -- The fire that started near Magic Mountain in Los Angeles County has been stopped 3 miles east of the Ventura County line and is now being handled by the Los Angeles County Fire Department. 105 personnel are currently assigned to the incident to improve the fire-lines and mop-up hot spots. The fire is being contained at approximately 2,824 acres. It is 93% contained with full containment expected by 8:00 am on the 24th, with full control by 8 pm. Some smoke from this fire may still blow into the Simi Valley and Westlake Village.

**Evacuations:** ALL FIRE-RELATED EVACUATIONS AND ROAD CLOSURES IN VENTURA COUNTY HAVE BEEN LIFTED. (Residents of western Los Angeles County should call the Los Angeles County Sheriffs Department (661-255-1121)for evacuation information in their areas.)

Fire officials expect to have the 4500 acre Malibu fire fully contained by this afternoon, said Capt. Kurt Schaefer of the Los Angeles County Fire Department.

The fire was 75 percent contained as of 8 p.m. Tuesday.

Though the fire area is not completely contained, there are no flames and hardly any embers on the fire line, said Schaefer.

From the Ventura County Air Pollution Control District:

Due to the smoke from many of the wildfires in and around Ventura County, it is possible that almost all areas of Ventura County will encounter smoke at some time. Air Quality in areas affected by the smoke are considered to be unhealthful. The Santa Ana winds are decreasing and the air quality is getting better.

And there will be periods of time where the air quality is "Good." And there will be periods when it will be "Unhealthy". If you smell smoke, be cautious and use common sense to protect your family's health. Everyone, especially people with heart or lung disease (including asthma), older adults and children should limit time spent outdoors,

and limit prolonged or heavy exertion. If you or your family is experiencing health problems, contact your health care provider. This advisory will be extended as conditions warrant.



© Ventura County Star

## Crews have upper hand on several area fires

By John Scheibe  
Thursday, October 25, 2007

Firefighters from across Ventura County are continuing to battle the Ranch fire from the ground and from the air.

The fire, which crossed into Ventura County two days ago, was 70 percent contained Wednesday evening. Fire officials hope to have it fully contained by Wednesday.

The fire had scorched 54,716 acres by Wednesday evening. The fire's western-most flank had reached Oat Mountain, west of Lake Piru, said Capt. Pete Jensen of the Ventura County Fire Department, said today.

"Fortunately for everyone, the winds are cooperating," Jensen said.

Malibu's Canyon fire was fully contained by Wednesday evening. The fire so far burned 4,565 acres and injured four firefighters, according to the Los Angeles County Fire Department. All of the injuries were minor.

The Buckweed fire burned 38,356 acres in the Agua Dulce, Canyon Country and Saugus area before it was fully contained Wednesday. Four people suffered minor injuries from that fire, including three firefighters. Another person was severely injured.

The Magic fire near Santa Clarita is fully contained after consuming 2,824 acres.

About 1,260 firefighters fighting the Ranch fire are camping at Shiells Park in Fillmore.

Weary firefighters are going to Shiells Park in Fillmore where they are resting up before going out again to fight the fires. The mood at the temporary fire camp where some 1260 firefighters are based, seemed more relaxed Wednesday, thanks in good part to the weakening Santa Ana winds. Those winds, which reached gale-force speeds, made it very difficult to fight the more than dozen fires that sprang up across Southern California during the past four days.

Firefighters would try to establish a containment line, only to have the winds carry embers over their heads and onto parched brush and scrubland behind them.

Firefighters were also hampered by the often forbidding terrain with its steep canyons and cliffs.

Despite the difficult topography, firefighters are having an easier time with the Ranch fire than they did with either the 2006 Day fire or this year's Zaca fire, said Fred Burris, a captain with the Ventura County Fire Department.

Firefighters had to contend with thicker brush with the Day and Zaca fires, Burris said.

No smoke was visible around Fillmore on Wednesday afternoon, and things seemed to be getting back to normal.

"It's cleared up quite a bit," said Tania Melgoza, owner of Estrella Market in downtown Fillmore. "On Sunday it looked like it was nighttime at 2 in the afternoon," she said.

Melgoza said smoke from the fire made it hard to breathe for several days. She closed her door to keep falling ash from getting into the store.

As firefighters have gained the upper hand in controlling the blazes herein Ventura County and northern Los Angeles County, they have been sent south to fight the firestorm in San Diego County, the scene of some of the most devastating infernos this week.

Some 40 firefighters from across Ventura County, including the cities of Ventura, Oxnard and Santa Paula, as well as Ventura County firefighters, are now in San Diego County, Jensen said.

Back in Ventura County, officials were able to reopen reopened Highway 126 today on Tuesday/Wednesday. They also canceled rescinded a recommended evacuation for residents of Piru.

An emergency center set up in Fillmore for those who left their homes is closed today/Wednesday evening.

Meanwhile, six military cargo planes stationed at Channel Islands Air National Guard are slated to join the airstrike against the fires in Southern California. When, and where, they will be used has yet to be determined.

The six C-130 aircraft are outfitted with a high-tech firefighting system, which sits inside the cargo bay. It can spray a 100-foot-wide area that's a quarter-mile long.

Each system contains five pressurized tanks capable of carrying 2,500 gallons of fire retardant.

The planes, which are based in Colorado Springs, Colo., Cheyenne, Wyo., and Charlotte, N.C., are being made available thanks to an agreement between the U.S. Air National Guard and the U.S. Forest Service.

Judging by the weather forecast, the planes will not have to deal with the gale-force winds of earlier this week. The wind advisory, in place across the region since Sunday, was canceled Wednesday.

The National Weather Service says heavier winds will persist at higher elevations, but ocean winds are expected to return to much of coastal Ventura County later today. The winds should be about 10 mph.

Temperatures across much of the county Ventura County are expected to remain in the mid- to upper 80s today, despite the weakening Santa Anas. As the high pressure system over the Great Basin in Utah moves east, temperatures here are expected to drop over the coming days, said Bill Hoffer, a spokesman for the National Weather Service in Oxnard.

Hoffer said temperatures should be back to the mid-70s by Sunday or Monday.

The air quality in Ventura County, which was blanketed with smoke during the first half of this week, also is improving, said Mallory Ham, an air-pollution meteorologist for the Ventura County Air Pollution Control District.

While some smoke from the nearby fires continues to make its way through the county, much of it is higher in the sky.

"We don't have nearly as much of it at the ground level as we did earlier this week," Ham said. The air quality is expected to improve in the days to come.

A shelter for large animals set up at the Ventura County Fairgrounds earlier this week for large animals, also is closing today. County officials have offered to shelter large animals from San Diego County. Officials in San Diego had yet to respond to the county's offer as of late Wednesday afternoon.

Pet owners can still take their smaller animals to a shelter in Camarillo at 600 Aviation Drive. The shelter's phone number is 388-4341.

Those wanting to take their cats and dogs to the Agoura Hills Animal Shelter, 29525 Agoura Road, can still do so. A worker at the shelter, located at 29525 Agoura Road, said many cat and dog owners were coming back to the shelter today to pick up their animals that they'd left there earlier in the week because of the fires. The shelter's phone number is 818-991-0071.

The animals at Moorpark College's teaching zoo, including a lion, tiger and hyenas, were taken back to the facility Wednesday.



The animals were taken off campus late Monday night and early Tuesday morning as the air around the college became clogged with smoke.

— *Staff writers Adam Foxman and Charles Levin contributed to this report.*



© Ventura County Star



## Ranch blaze not worst firefighters have faced

By Adam Foxman  
Thursday, October 25, 2007

Although strong, unpredictable winds made the Ranch fire dangerous and difficult to fight, local firefighters said they have seen worse fires.

Once the high winds that drove the fire died down Tuesday night, firefighters were able to quickly beat back the blaze. Most of the flames were out by Wednesday, and firefighters had cut firebreaks around at least 70 percent of the burned area by Wednesday.

The 54,716 acres burned by the Ranch fire are steep and rugged terrain. Like many of California's fire-prone areas, the more than 51,000 acres burned by the Ranch Fire are steep and rugged. But unlike the blazes that firefighters called the toughest to fight, the brush that fueled the Ranch fire was relatively light.

"This exact fire — at least on this end — is fairly routine," said Ventura County Fire Capt. Fred Burris said.

"The Day fire was really challenging because it was mostly wilderness," said Burris, who met with Hotshots "hot shot" crews at a Fillmore park Wednesday to discuss the day's plan of attack.

The 2006 Day fire and this year's Zaca fire burned large swaths of Los Padres National Forest, including some areas that hadn't burned in as much as 100 years. The combination of abundant fuel and the fires' remote locations made them extremely difficult to fight, Burris said.

Much of the Ranch fire, at least on the Fillmore side, burned near rural farmland that had seen fire recently, so the brush was comparatively light, Burris said. Firefighters battling the Ranch fire were able to drive engines up roads near the blaze and bring in bulldozers to cut fire lines.

The lighter brush in the Ranch fire area also made it easier to mop up.

Near the Lake Piru dam, firefighters weren't finding many hot spots or smoldering embers on the fourth day of the fire. The ground was blackened where the fire had burned through light brush.

"It's not like your timber fires," which can smolder for as much as a week, said Art Tranberg, a safety officer for the Sierra National Forest, who has been fighting fires for 51 years.

"We're in pretty good shape here," Tranberg said as he looked out toward the dam.

But wWhile the Ranch fire wasn't the hardest blaze some California firefighters can remember, it wasn't a cakewalk either.

Limited resources and high winds that reduced visibility and sent the fire racing across the landscape made the Ranch fire challenging and hazardous, said Capt. Barry Parker, a spokesman for the Ventura County Fire Department.

The El Cariso Hotshots Crew arrived at the fire from Lake Elsinore on Sunday morning and worked for 32 hours straight because no other crews were available to replace them, said crew member Cyrus Galvan, 24.

At one point in the fire's first days, the wind was blowing about 70 mph and Galvan saw a halfmile stretch of hillside go up in flames in about a minute, he said. "It was too dangerous to do anything ... all we could do was protect structures," Galvan recalled.

While the El Cariso crew was working to cut fire lines Tuesday in Violin Canyon in Castaic Tuesday to keep the Ranch fire away from nearby homes, the wind changed direction and the crew had to run into a previously burned area to escape the flames, Galvan said. "We were running and the flames were at our backs."

The experience was a little scary, but Galvan had been in similar situations before during his year on the crew, he said. "When you go direct, stuff happens like that. ... You always have to have a safety zone."



© Ventura County Star



## Firefighters mopping up at Ranch fire site

From staff reports  
Friday, October 26, 2007

Firefighters continued Thursday mopping up the Ranch fire, which has burned close to 55,800 acres between Castaic and Fillmore since it began Saturday night.

Most of the flames have been knocked down, and firefighters had cut containment lines around 80 percent of the burned area by Thursday night, according to the U.S. Forest Service.

Some firefighters were released to work on other fires this week, but 905 firefighters continued working Thursday to extinguish the remainder of the flare-ups and make sure the fire is out.

The blaze destroyed one home and eight outbuildings, said Ventura County Fire Department spokesman Tom Kruschke. One abandoned mobile home in Ventura County was among the structures destroyed.

By Thursday, the bill for fighting the blaze had reached \$7 million. The cause of the fire is still unknown.

Nine fires across the state were still less than 100 percent contained by Thursday afternoon, according to the California Department of Forestry and Fire Protection.

The Malibu Canyon fire, which destroyed or damaged 22 structures, is 100 percent contained. Costs for that fire had risen to \$5.2 million.

The Ventura County Fire Department has sent 14 engine companies and 21 other individuals to help with fires still burning around the state, department spokesman Bill Nash said.

The Oxnard Fire Department sent three engine companies to blazes including the Grass Valley fire near Lake Arrowhead, spokeswoman Deborah Shane said.

Other departments around the county sent a total of four engine companies to other fires.



© Ventura County Star